

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111720\
 Data File : VD067653.D
 Acq On : 17 Nov 2020 11:00
 Operator : VA/SY
 Sample : VD1117SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/18/2020 10:50:17 AM

Quant Time: Nov 18 00:08:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	285372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	403828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	375338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	189618	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	117133	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	
35) Dibromofluoromethane	7.92	113	118515	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	10.34	98	405802	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
62) 4-Bromofluorobenzene	12.64	95	147997	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52975	20.225	ug/l	93
3) Chloromethane	2.21	50	33723	18.977	ug/l	94
4) Vinyl Chloride	2.36	62	36913	18.631	ug/l	98
5) Bromomethane	2.77	94	32308	20.119	ug/l	88
6) Chloroethane	2.93	64	23868	19.540	ug/l	96
7) Trichlorofluoromethane	3.28	101	104412	20.353	ug/l	95
8) Diethyl Ether	3.71	74	20103	19.448	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	51144	19.751	ug/l	96
10) Methyl Iodide	4.30	142	48342	17.418	ug/l	100
11) Tert butyl alcohol	5.21	59	16937	149.378	ug/l #	90
12) 1,1-Dichloroethene	4.07	96	47028	19.744	ug/l	85
13) Acrolein	3.93	56	3971	60.141	ug/l	99
14) Allyl chloride	4.71	41	46936	18.412	ug/l	98
15) Acrylonitrile	5.43	53	36139	94.578	ug/l	96
16) Acetone	4.16	43	31178	83.497	ug/l	90
17) Carbon Disulfide	4.41	76	133139	18.242	ug/l	97
18) Methyl Acetate	4.72	43	14961m	19.389	ug/l	
19) Methyl tert-butyl Ether	5.47	73	92259	19.637	ug/l	99
20) Methylene Chloride	4.97	84	54854	20.796	ug/l	95
21) trans-1,2-Dichloroethene	5.48	96	54283	19.567	ug/l	92
22) Diisopropyl ether	6.36	45	96801	19.486	ug/l	92
23) Vinyl Acetate	6.30	43	247349	95.122	ug/l	97
24) 1,1-Dichloroethane	6.27	63	80804	19.883	ug/l	98
25) 2-Butanone	7.21	43	37657	94.381	ug/l	92
26) 2,2-Dichloropropane	7.21	77	87659	20.438	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	57431	19.945	ug/l	98
28) Bromochloromethane	7.55	49	26737	18.496	ug/l	99
29) Tetrahydrofuran	7.56	42	23642	98.922	ug/l	99
30) Chloroform	7.71	83	100897	20.811	ug/l	98
31) Cyclohexane	7.98	56	68409	18.902	ug/l #	85
32) 1,1,1-Trichloroethane	7.91	97	102994	20.589	ug/l	99
36) 1,1-Dichloropropene	8.12	75	75251	21.770	ug/l	97
37) Ethyl Acetate	7.29	43	17071	19.022	ug/l	98
38) Carbon Tetrachloride	8.10	117	101224	22.538	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	81755	20.095	ug/l	98
40) Benzene	8.36	78	196887	21.027	ug/l	97
41) Methacrylonitrile	7.53	41	12442m	23.194	ug/l	
42) 1,2-Dichloroethane	8.43	62	62051	21.449	ug/l	99
43) Isopropyl Acetate	8.46	43	35330	19.906	ug/l	94
44) Trichloroethene	9.11	130	63241	20.541	ug/l	98
45) 1,2-Dichloropropane	9.39	63	42371	20.930	ug/l	95
46) Dibromomethane	9.48	93	25942	20.154	ug/l	97
47) Bromodichloromethane	9.67	83	76076	21.745	ug/l	98
48) Methyl methacrylate	9.46	41	17843	19.471	ug/l	93
49) 1,4-Dioxane	9.46	88	5203	398.174	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	90032	106.068	ug/l	97
52) Toluene	10.41	92	138536	22.089	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	64324	21.467	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	74147	20.828	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	36431	21.391	ug/l	95
56) Ethyl methacrylate	10.66	69	34615	19.682	ug/l	99
57) 1,3-Dichloropropane	10.95	76	58422	21.317	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	86710	105.724	ug/l	99
59) 2-Hexanone	10.99	43	59901	100.930	ug/l	97
60) Dibromochloromethane	11.14	129	57213	22.709	ug/l	98
61) 1,2-Dibromoethane	11.26	107	35810	20.950	ug/l	97
64) Tetrachloroethene	10.88	164	56541	20.340	ug/l	99
65) Chlorobenzene	11.68	112	151285	20.925	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.75	131	62472	21.923	ug/l	97
67) Ethyl Benzene	11.75	91	259610	20.984	ug/l	99
68) m/p-Xylenes	11.86	106	207905	43.194	ug/l	99
69) o-Xylene	12.18	106	87778	20.426	ug/l	95
70) Styrene	12.20	104	159977	21.364	ug/l	99
71) Bromoform	12.37	173	31506	21.679	ug/l #	99
73) Isopropylbenzene	12.48	105	262116	21.389	ug/l	99
74) N-amyl acetate	12.30	43	30190	18.722	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.74	83	34350	20.556	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	23728m	20.743	ug/l	
77) Bromobenzene	12.77	156	66431	22.073	ug/l	96
78) n-propylbenzene	12.83	91	301798	21.531	ug/l	100
79) 2-Chlorotoluene	12.91	91	170333	21.392	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	228941	21.869	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	10811	19.188	ug/l	96
82) 4-Chlorotoluene	13.01	91	187449	21.950	ug/l	100
83) tert-Butylbenzene	13.23	119	187931	21.182	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	226756	21.761	ug/l	99
85) sec-Butylbenzene	13.41	105	258716	21.601	ug/l	99
86) p-Isopropyltoluene	13.52	119	246477	21.311	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	124298	21.644	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	124058	21.334	ug/l	100
89) n-Butylbenzene	13.85	91	209991	21.020	ug/l	99
90) Hexachloroethane	14.11	117	47563	21.837	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	106880	21.504	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6136	20.739	ug/l	92

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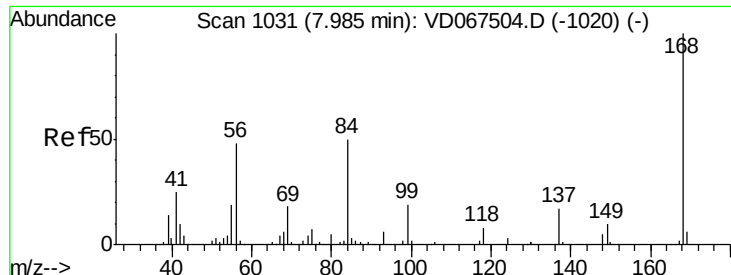
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	70935	21.028	ug/l	98
94) Hexachlorobutadiene	15.27	225	47712	21.133	ug/l	95
95) Naphthalene	15.41	128	106125	20.386	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	58271	20.172	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

Tot Ion:168 Resp: 285372

Ion Ratio Lower Upper

168 100

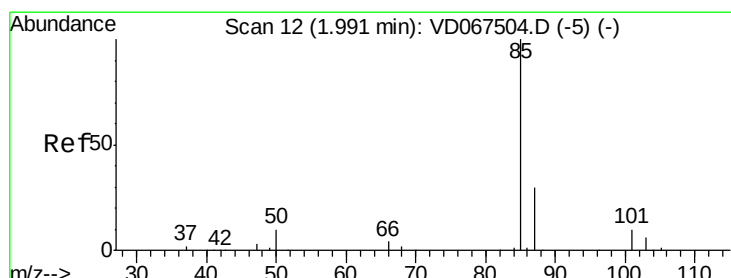
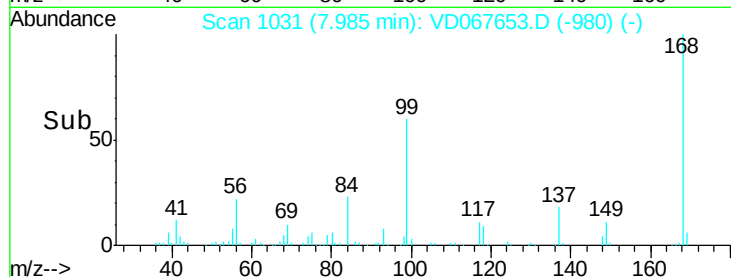
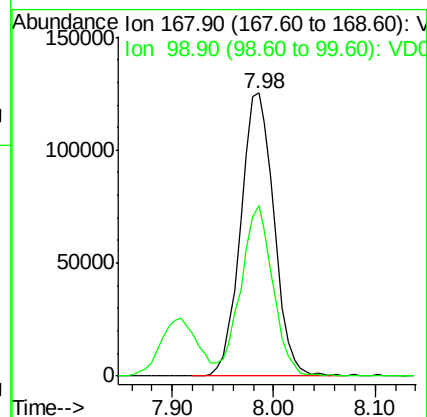
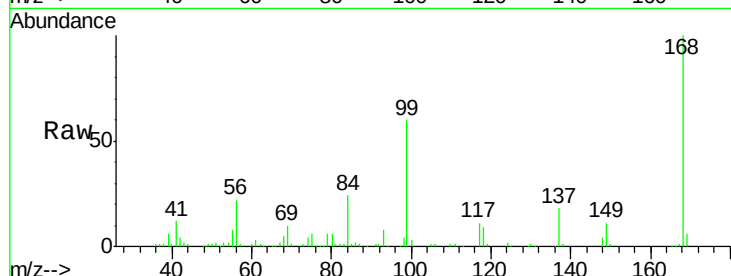
99 60.0 45.0 67.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.225 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067653.D

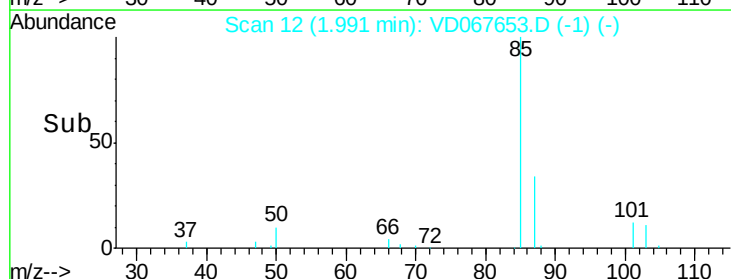
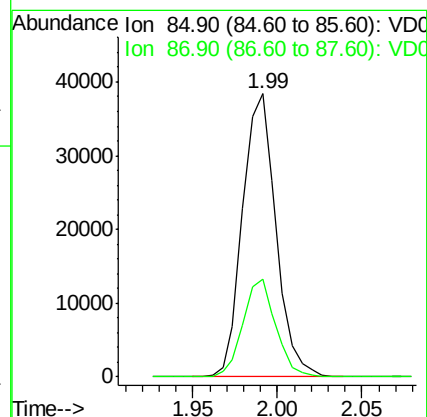
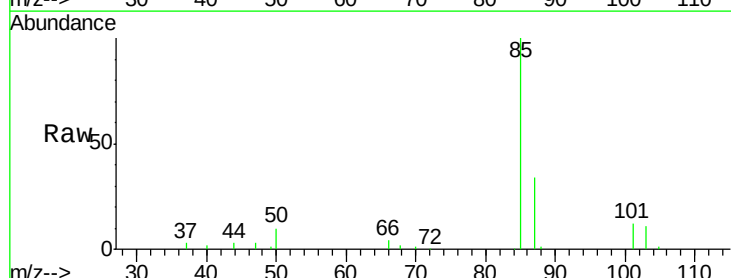
Acq: 17 Nov 2020 11:00

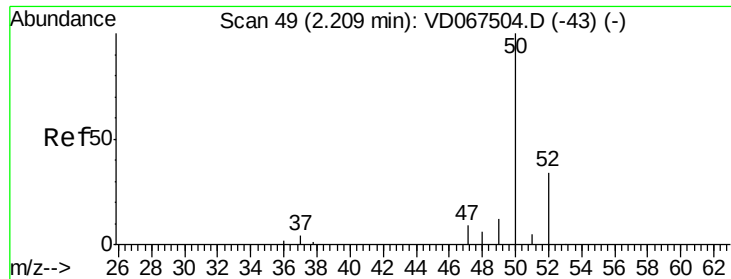
Tgt Ion: 85 Resp: 52975

Ion Ratio Lower Upper

85 100

87 34.4 15.3 45.8





#3

Chloromethane

Concen: 18.977 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Tot Ion: 50 Resp: 33723

Ion Ratio Lower Upper

50 100

52 30.4 27.3 40.9

Instrument :

MSVOA_D

ClientSampleId :

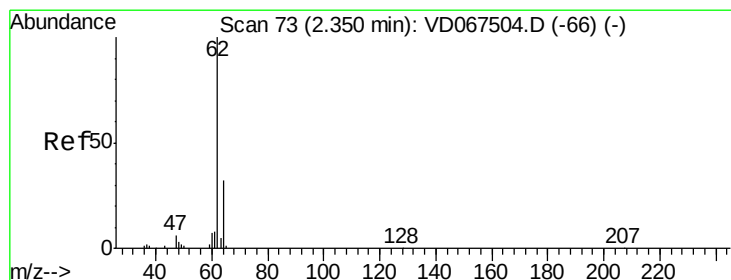
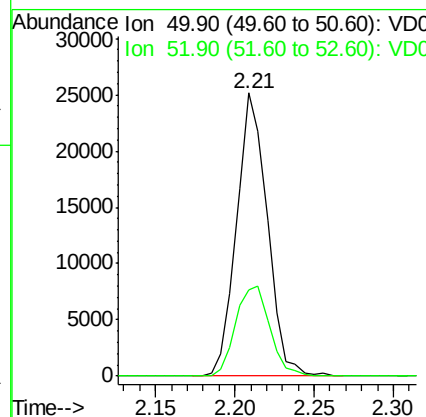
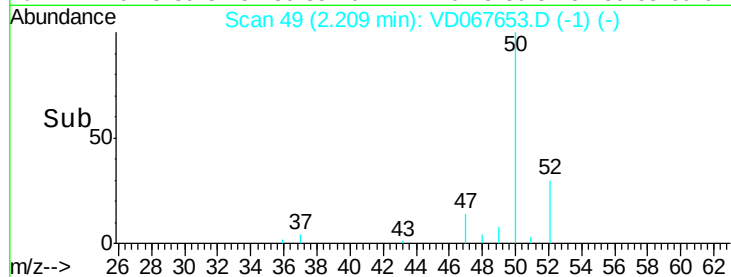
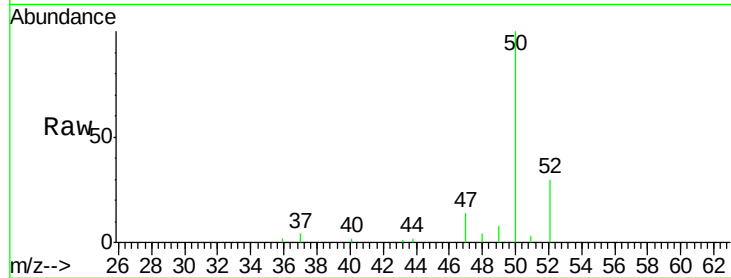
VD1117SBS01

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.631 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067653.D

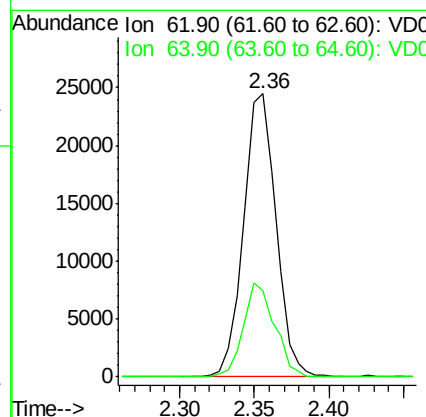
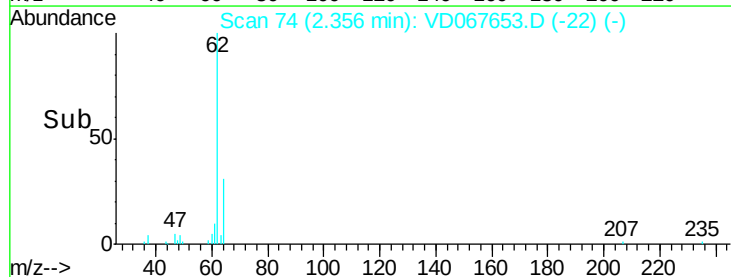
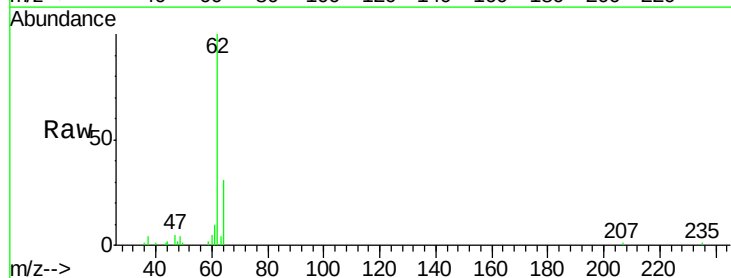
Acq: 17 Nov 2020 11:00

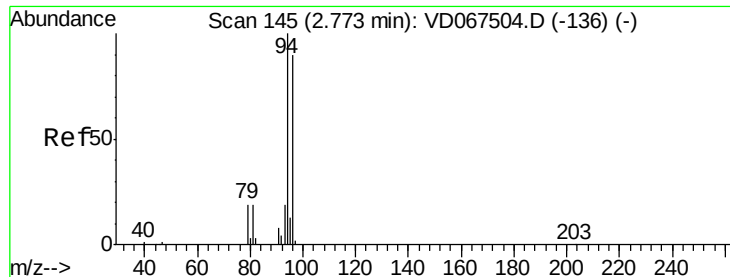
Tgt Ion: 62 Resp: 36913

Ion Ratio Lower Upper

62 100

64 30.7 25.6 38.4





#5

Bromomethane

Concen: 20.119 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

Tot Ion: 94 Resp: 32308

Ion Ratio Lower Upper

94 100

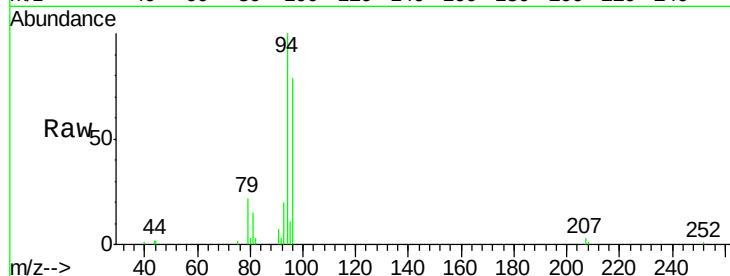
96 78.7 72.2 108.2

Manual Integrations

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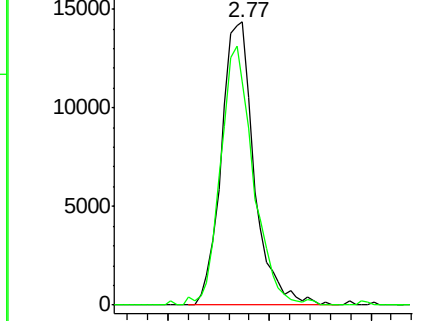
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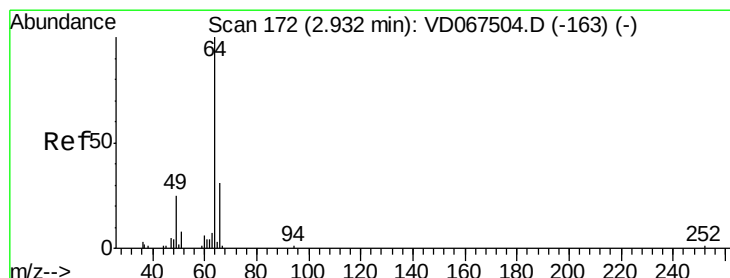
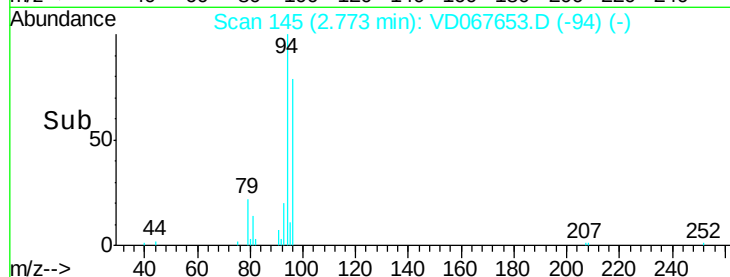


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 19.540 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067653.D

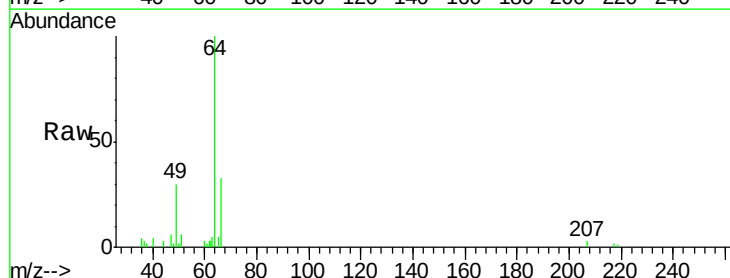
Acq: 17 Nov 2020 11:00

Tgt Ion: 64 Resp: 23868

Ion Ratio Lower Upper

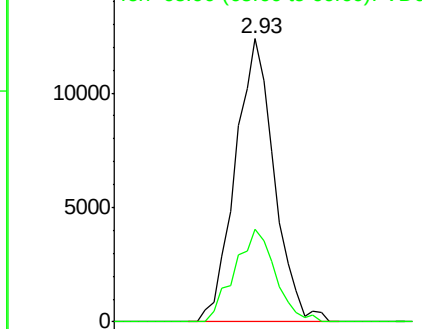
64 100

66 32.9 24.6 36.8

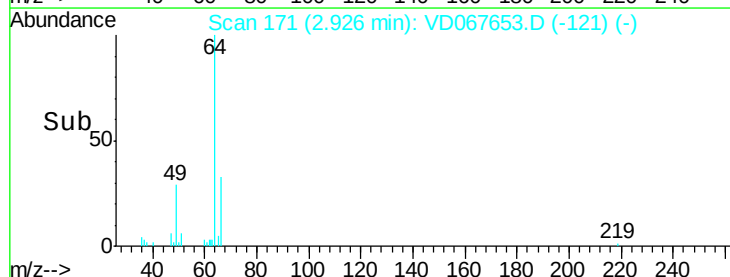


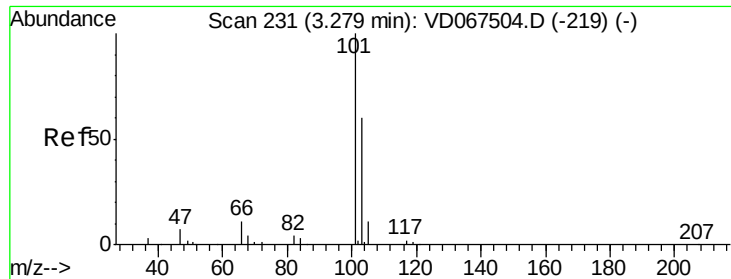
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

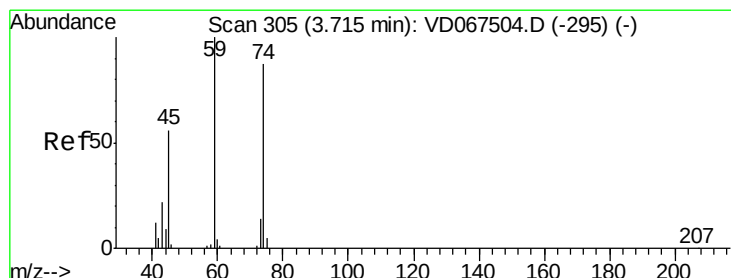
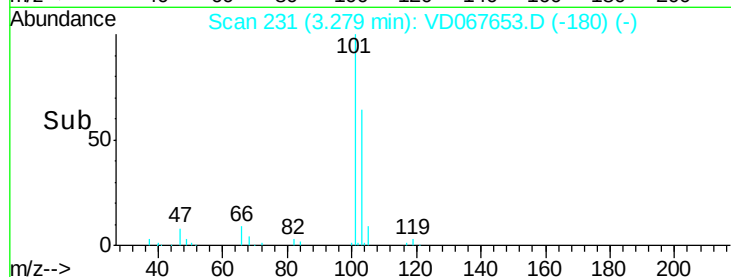
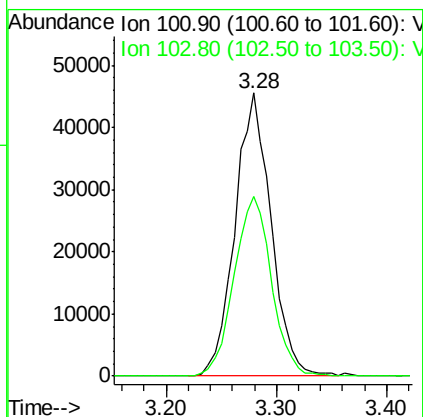
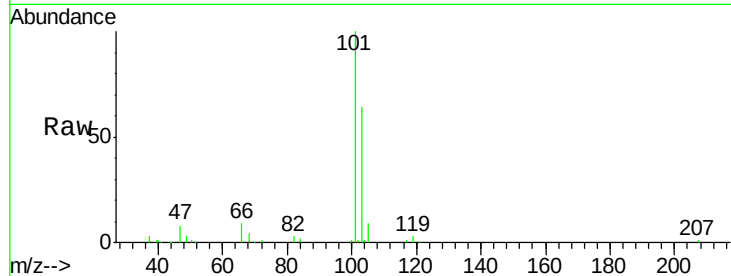
Trichlorofluoromethane
Concen: 20.353 ug/l
RT: 3.28 min Scan# 231
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Instrument :
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ClientSampleId :
VD1117SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	48.1	72.1

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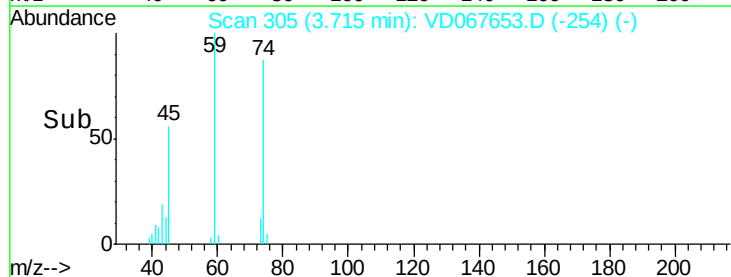
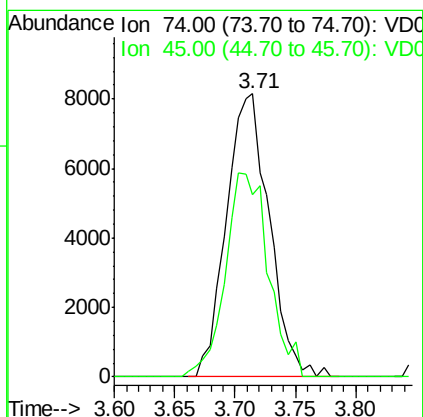
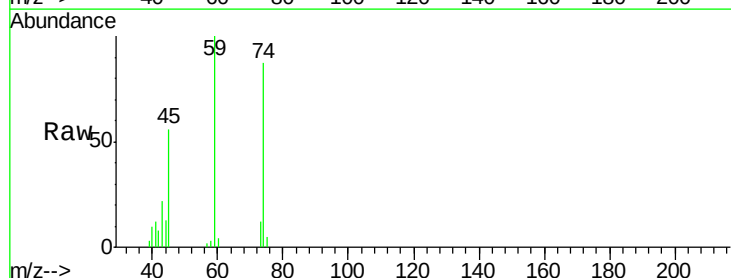
MMDadoda
11/18/2020 10:50:17 AM

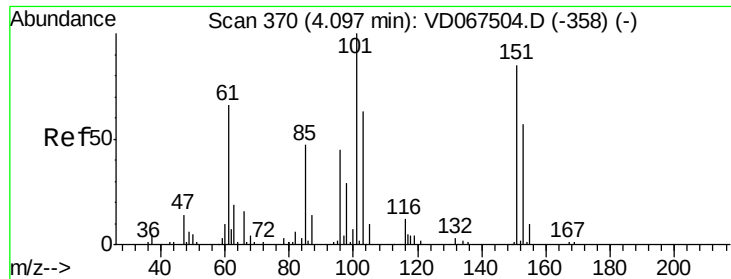


#8

Diethyl Ether
Concen: 19.448 ug/l
RT: 3.71 min Scan# 305
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	72.5	38.2	114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.751 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

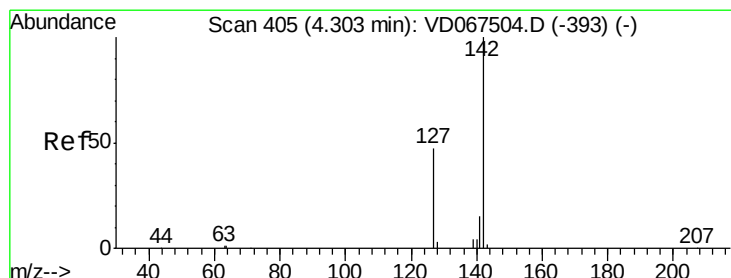
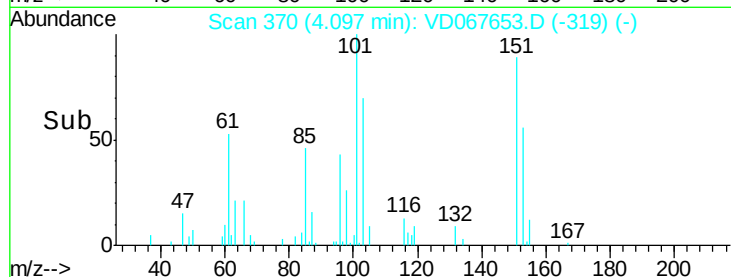
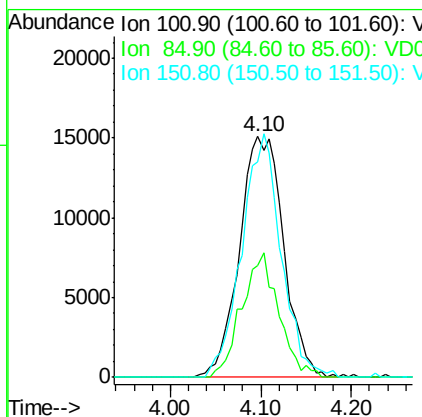
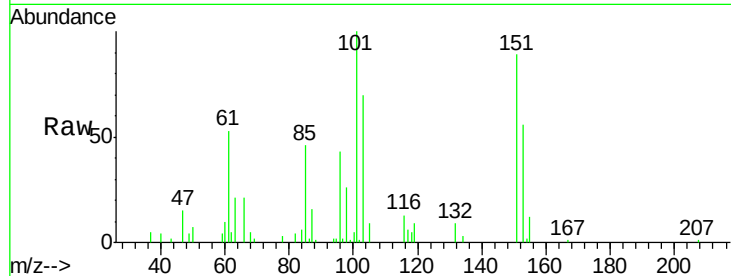
ClientSampleId :

VD1117SBS01

Tot Ion:	101	Resp:	51144
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.4	51.6
151	90.2	68.1	102.1

Manual Integrations
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11/18/2020 10:50:17 AM



#10

Methyl Iodide

Concen: 17.418 ug/l

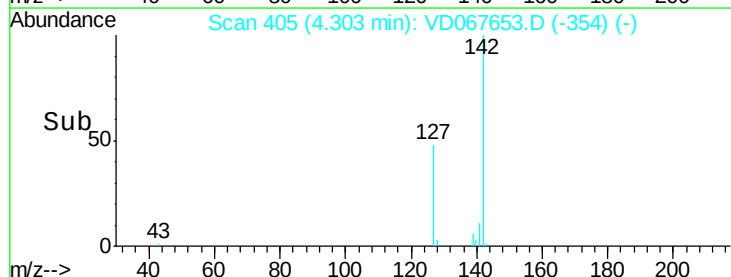
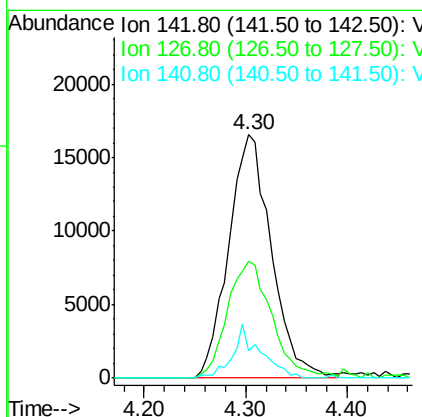
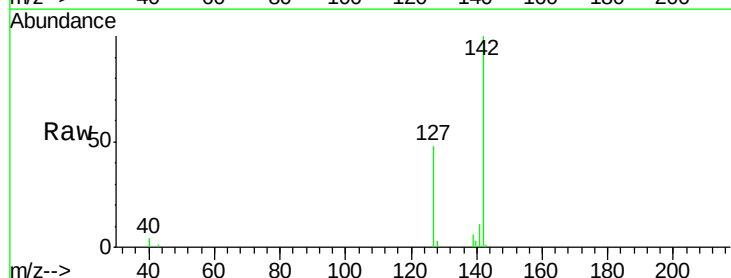
RT: 4.30 min Scan# 405

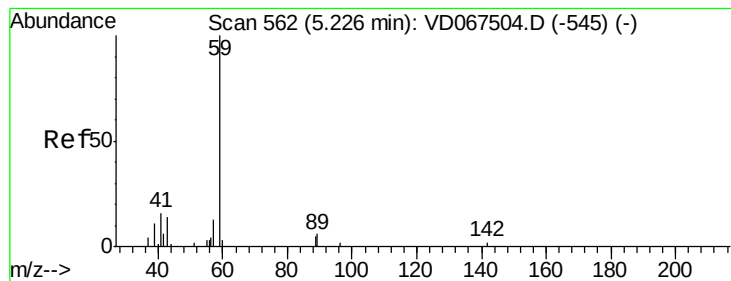
Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Tgt Ion:	142	Resp:	48342
Ion Ratio	Lower	Upper	
142	100		
127	49.9	40.0	60.0
141	14.3	11.7	17.5





#11

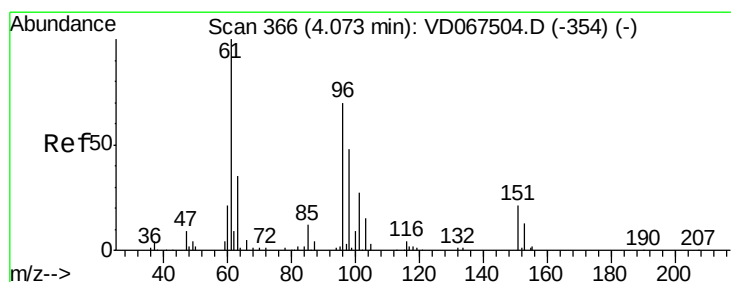
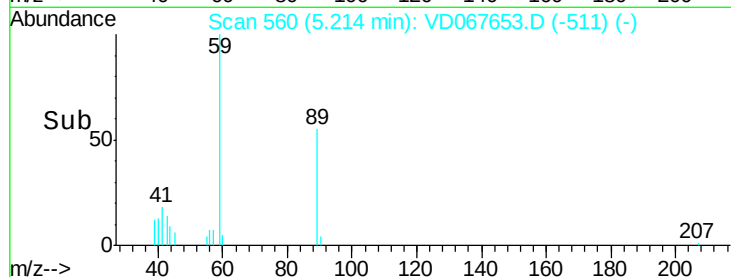
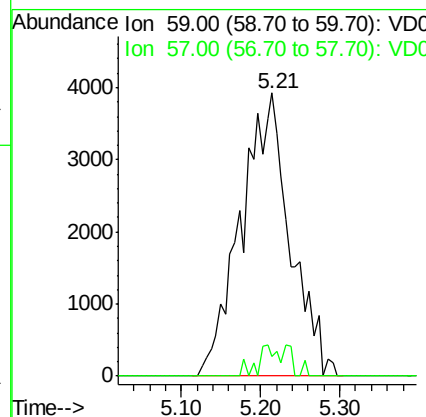
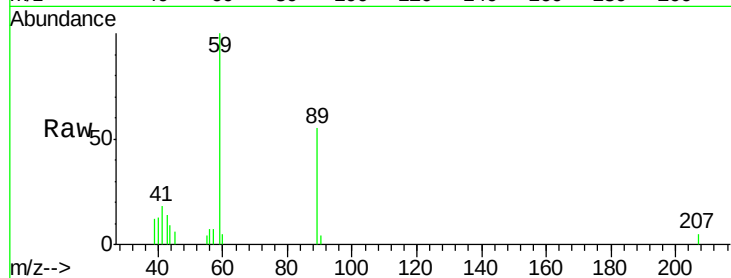
Tert butyl alcohol
 Concen: 149.378 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	16937		
57	3.8		5.9	8.9#

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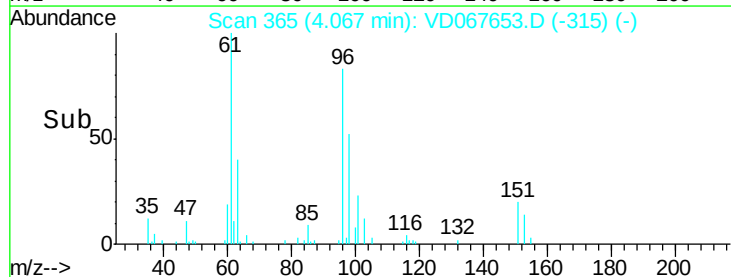
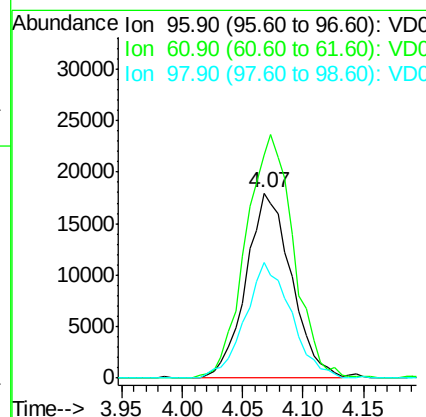
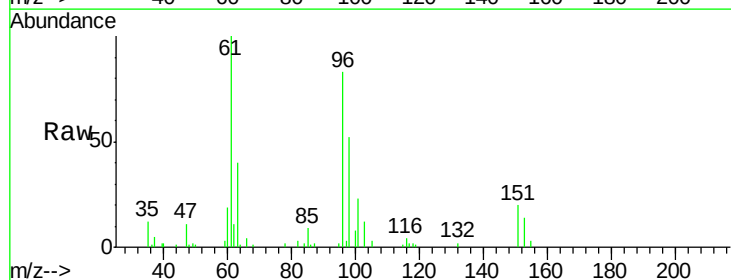
MMDadoda
 11/18/2020 10:50:17 AM

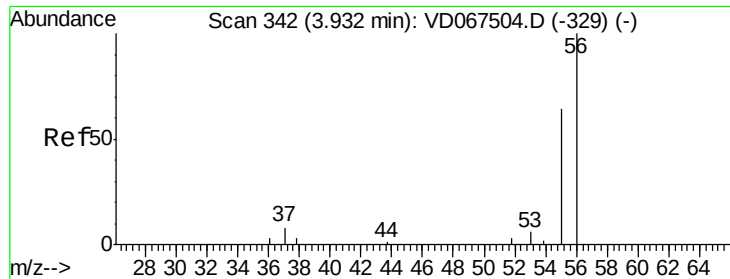


#12

1,1-Dichloroethene
 Concen: 19.744 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	47028		
61	120.7		114.5	171.7
98	62.5		54.5	81.7





#13

Acrolein

Concen: 60.141 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

Tot Ion: 56 Resp: 3971

Ion Ratio Lower Upper

56 100

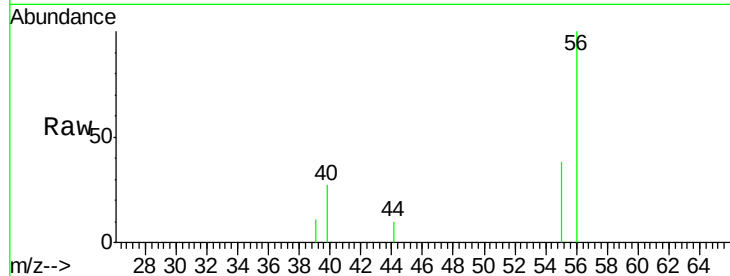
55 69.0 55.8 83.8

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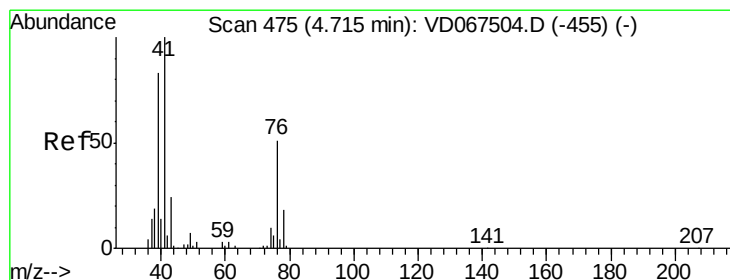
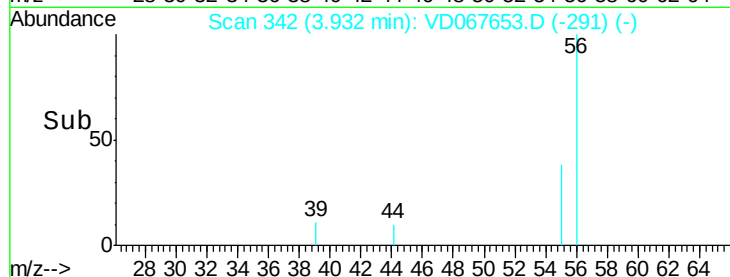
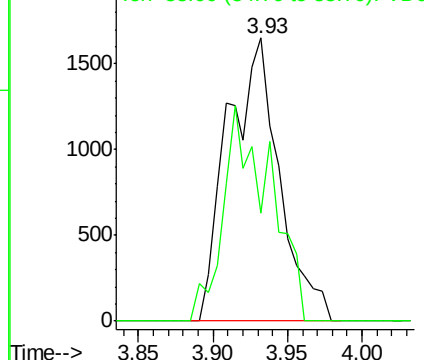
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.412 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

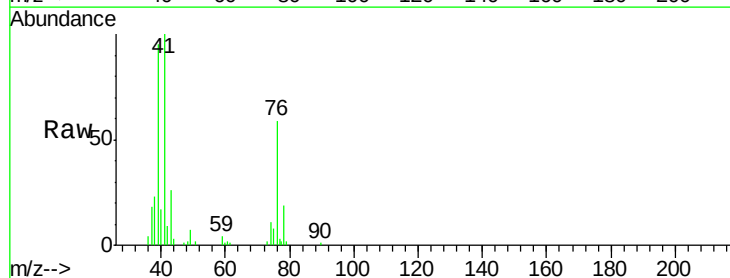
Tgt Ion: 41 Resp: 46936

Ion Ratio Lower Upper

41 100

39 87.5 67.4 101.0

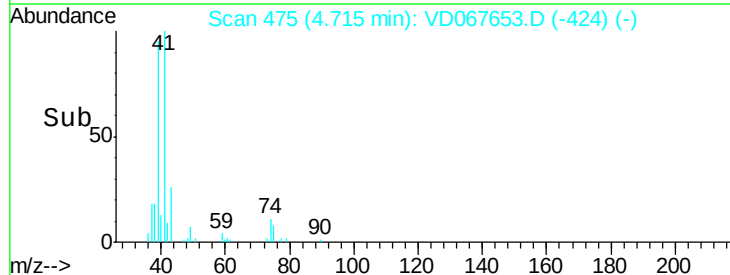
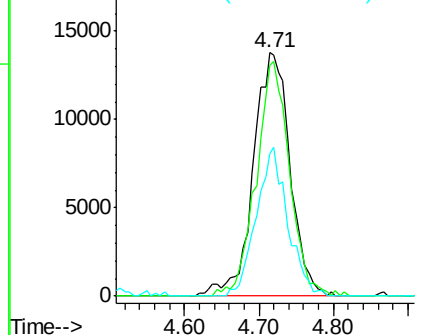
76 52.4 42.2 63.2

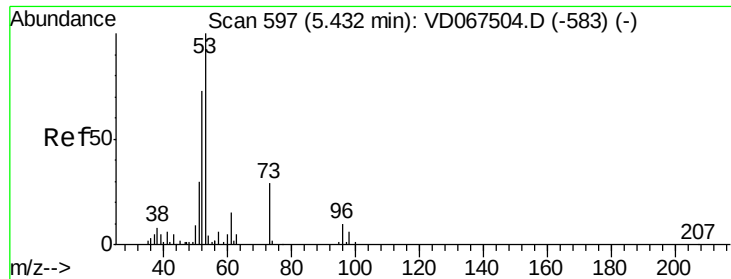


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 94.578 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

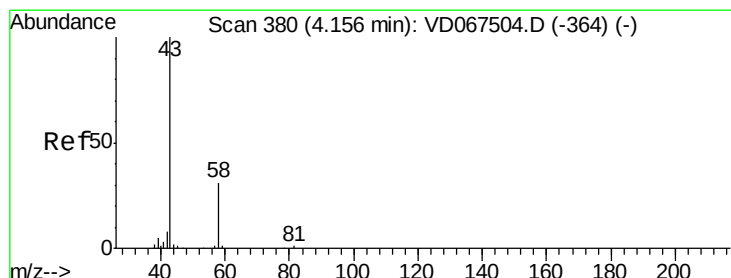
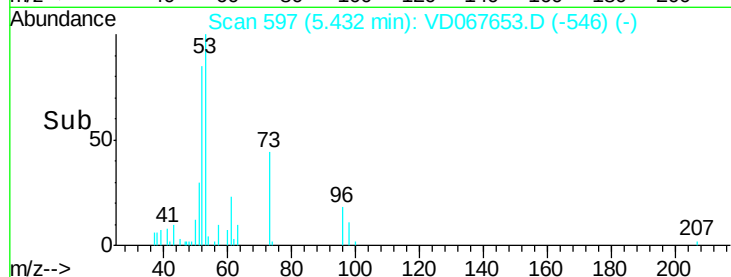
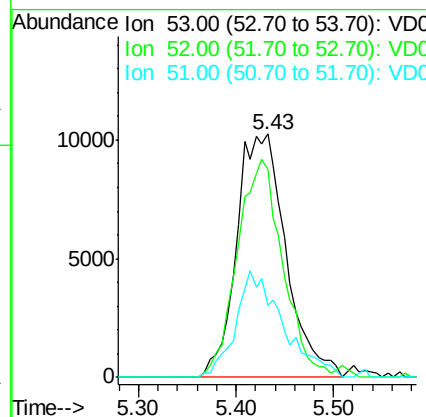
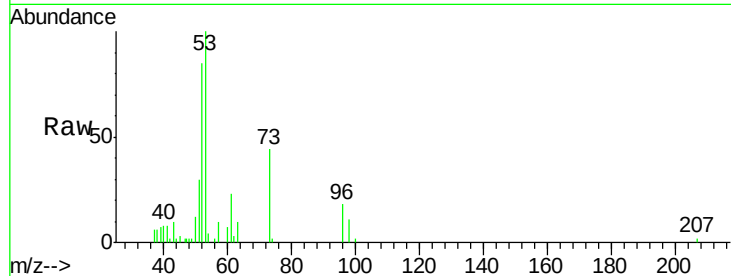
ClientSampleId :

VD1117SBS01

Tot Ion:	53	Resp:	36139
Ion	Ratio	Lower	Upper
53	100		
52	82.5	64.8	97.2
51	41.9	29.5	44.3

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#16

Acetone

Concen: 83.497 ug/l

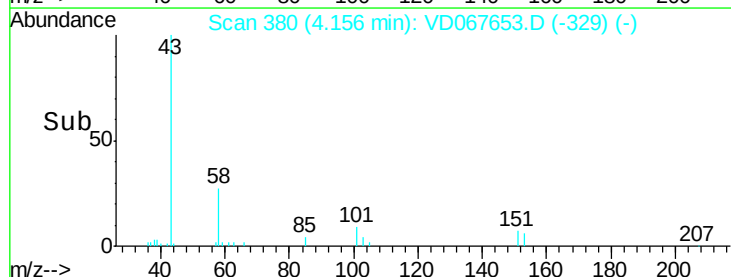
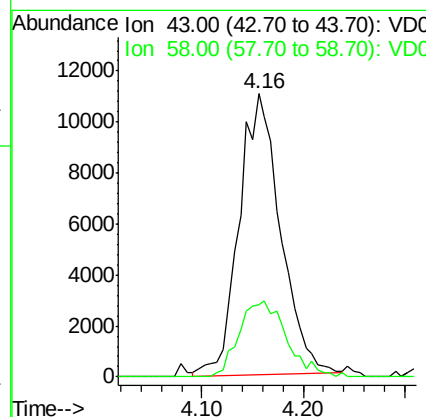
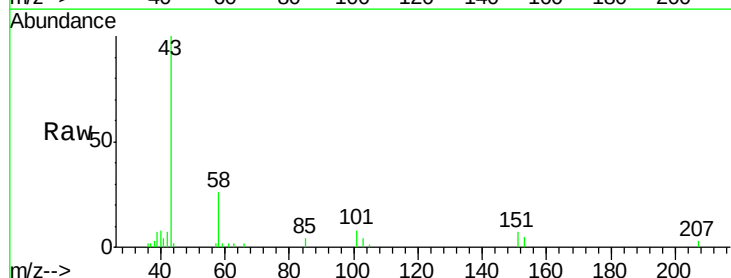
RT: 4.16 min Scan# 380

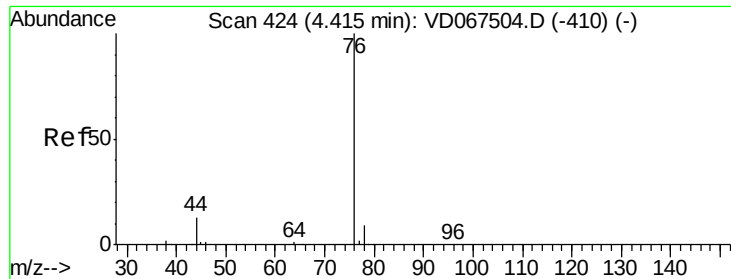
Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Tgt Ion:	43	Resp:	31178
Ion	Ratio	Lower	Upper
43	100		
58	26.1	25.2	37.8





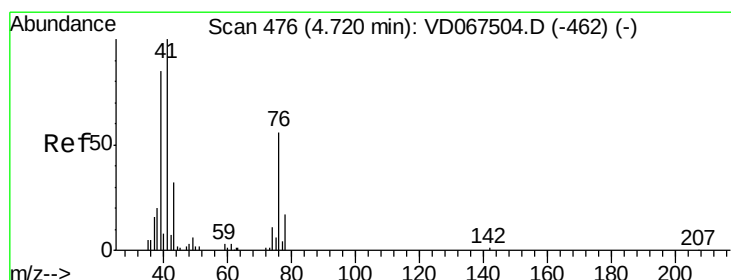
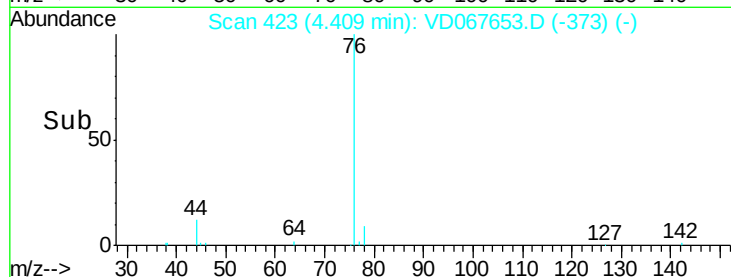
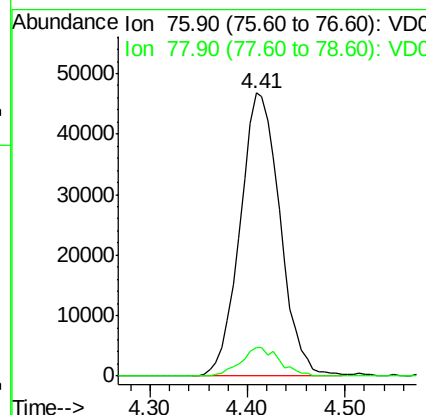
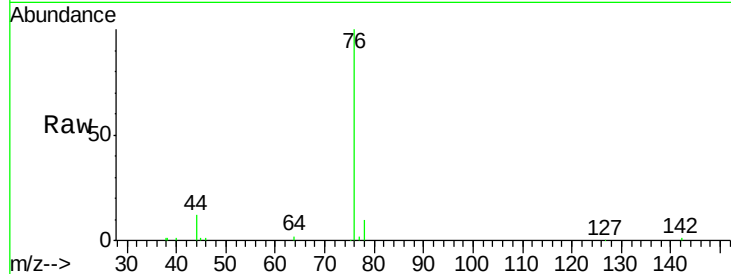
#17
Carbon Disulfide
Concen: 18.242 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion: 76 Resp: 133139
Ion Ratio Lower Upper
76 100
78 10.2 7.2 10.8

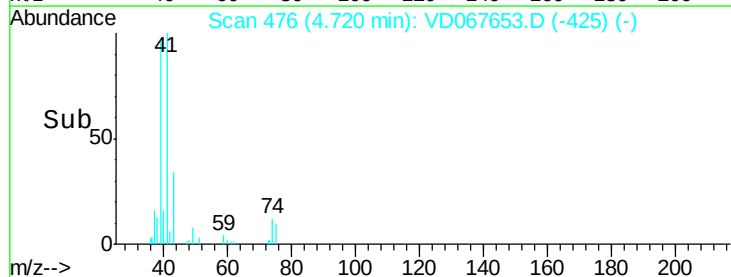
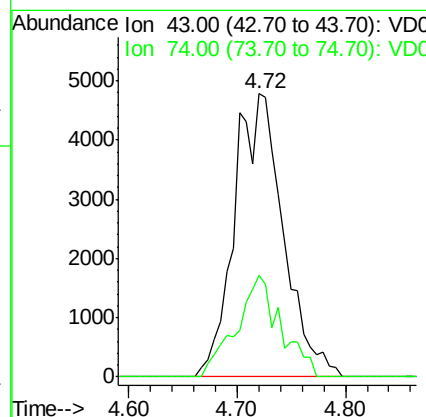
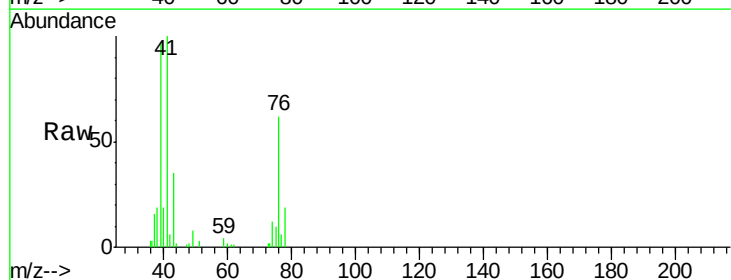
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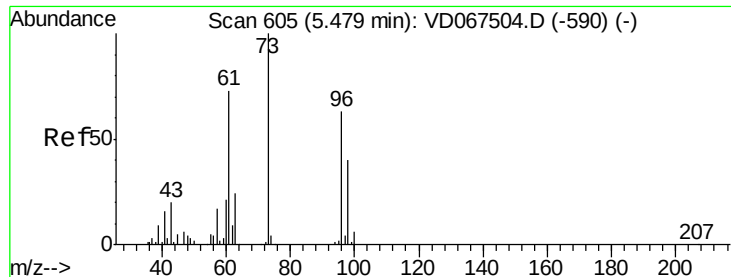
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#18
Methyl Acetate
Concen: 19.389 ug/l m
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion: 43 Resp: 14961
Ion Ratio Lower Upper
43 100
74 32.2 27.2 40.8





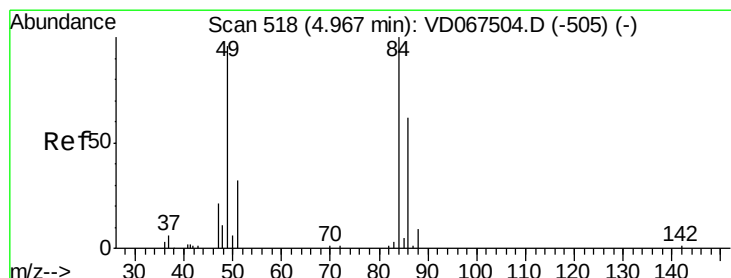
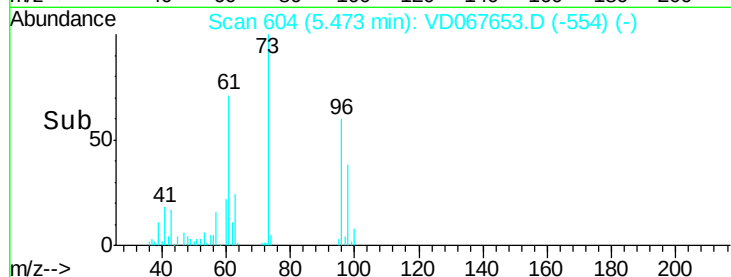
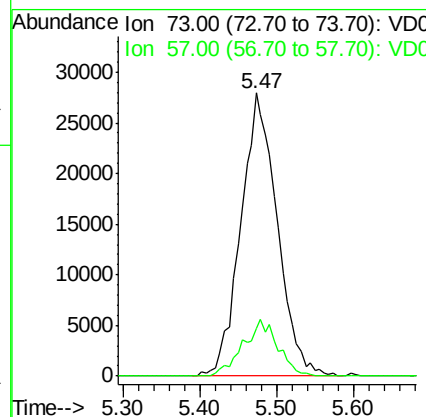
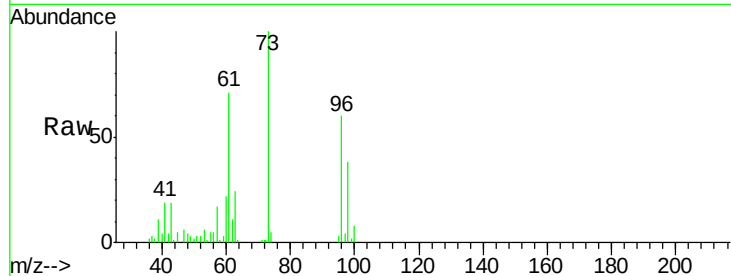
#19
Methyl tert-butyl Ether
Concen: 19.637 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion: 73 Resp: 92259
Ion Ratio Lower Upper
73 100
57 17.0 13.4 20.0

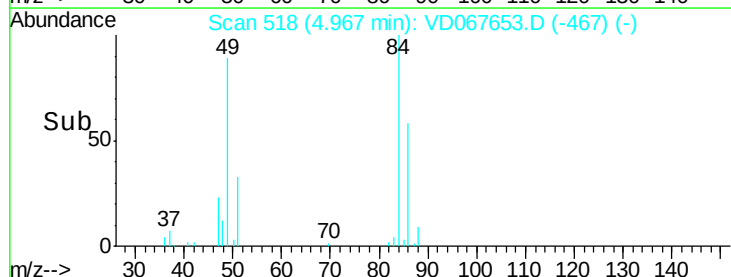
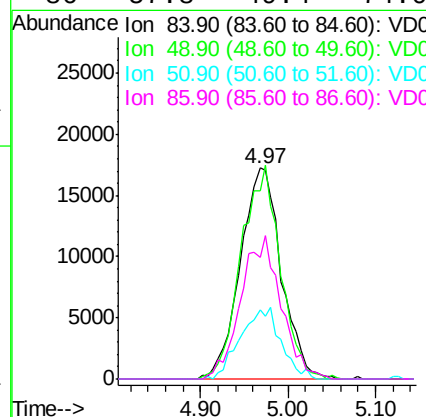
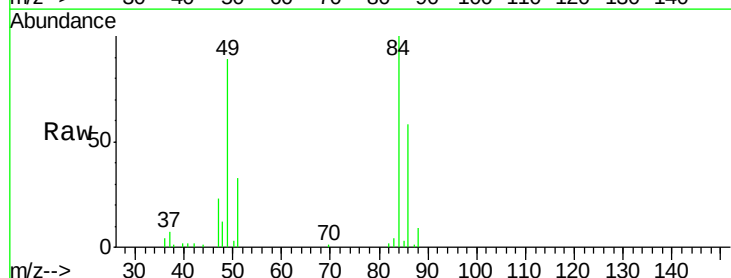
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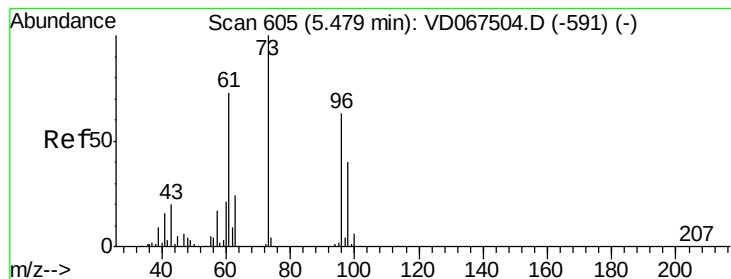
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#20
Methylene Chloride
Concen: 20.796 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion: 84 Resp: 54854
Ion Ratio Lower Upper
84 100
49 89.4 77.0 115.4
51 32.9 25.4 38.2
86 57.8 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 19.567 ug/l

RT: 5.48 min Scan# 605

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

Tot Ion: 96 Resp: 54283

Ion Ratio Lower Upper

96 100

61 102.8 93.0 139.6

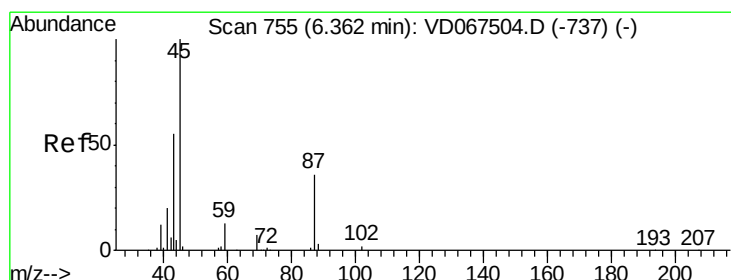
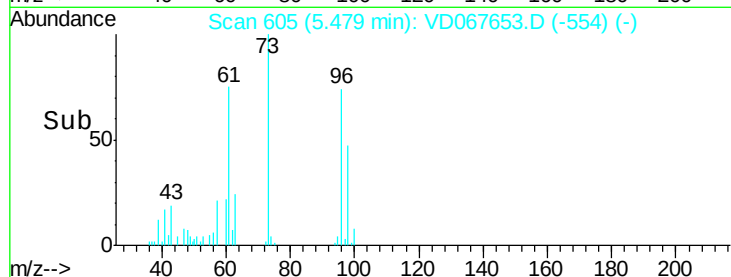
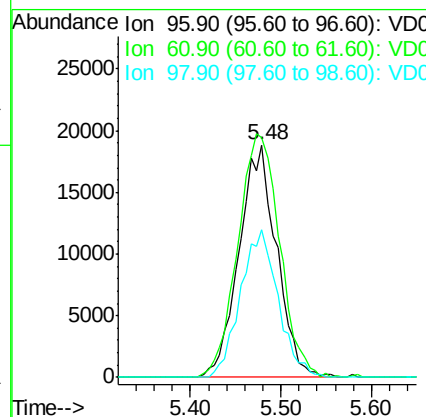
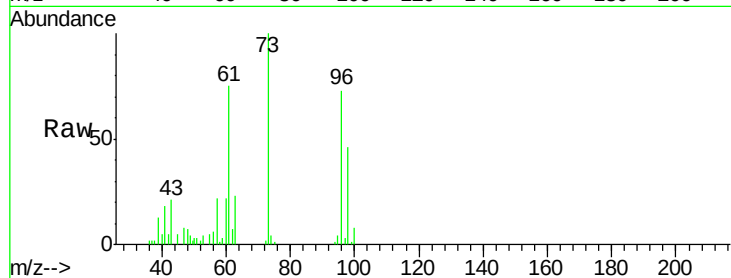
98 63.4 50.9 76.3

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#22

Diisopropyl ether

Concen: 19.486 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Tgt Ion: 45 Resp: 96801

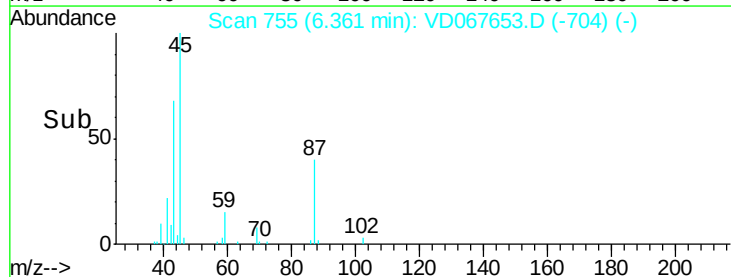
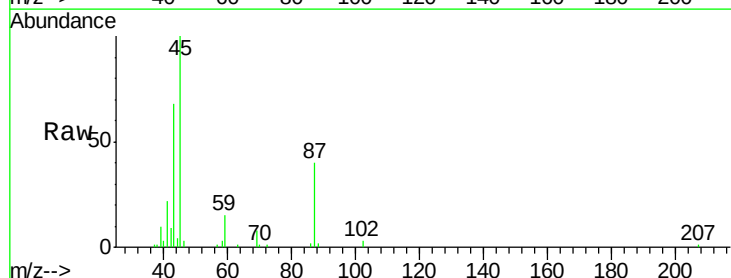
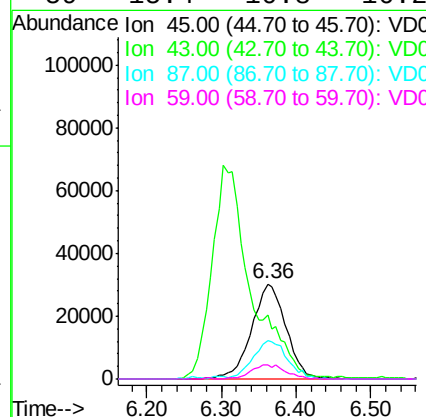
Ion Ratio Lower Upper

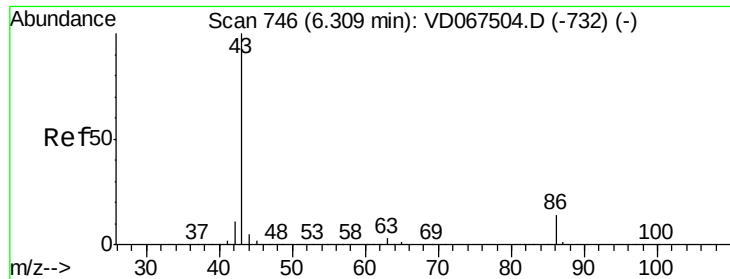
45 100

43 65.5 46.2 69.4

87 40.5 29.4 44.2

59 15.4 10.8 16.2





#23

Vinyl Acetate

Concen: 95.122 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

Tot Ion: 43 Resp: 247349

Ion Ratio Lower Upper

43 100

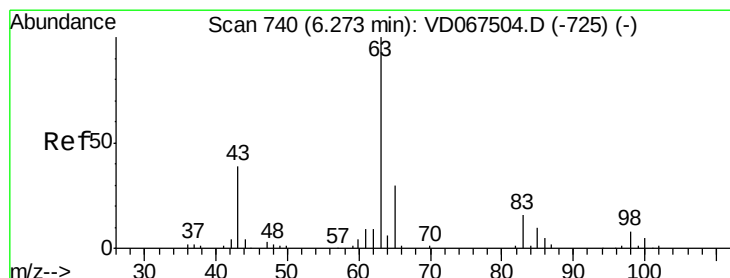
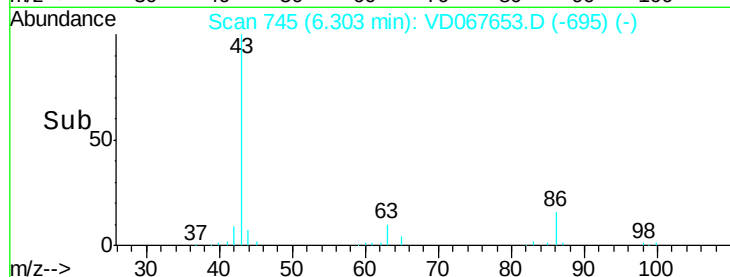
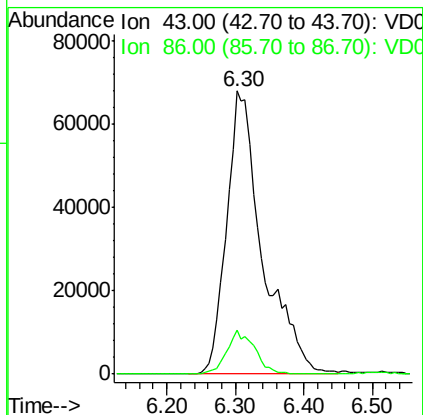
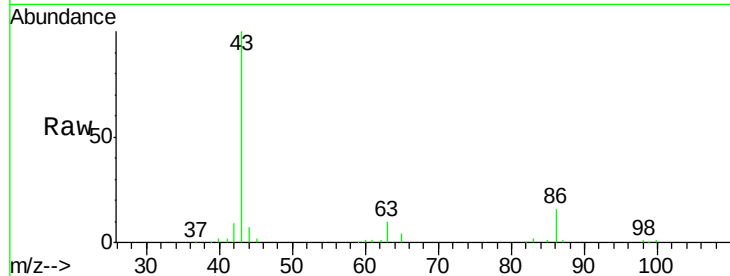
86 15.7 11.6 17.4

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#24

1,1-Dichloroethane

Concen: 19.883 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

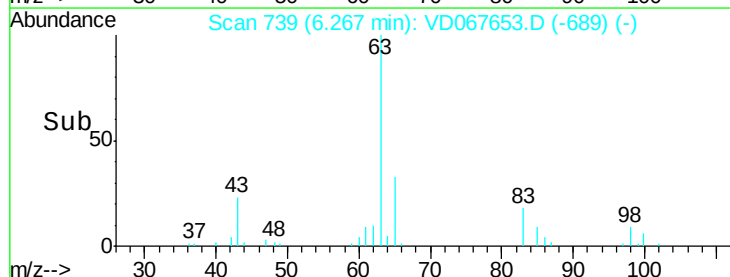
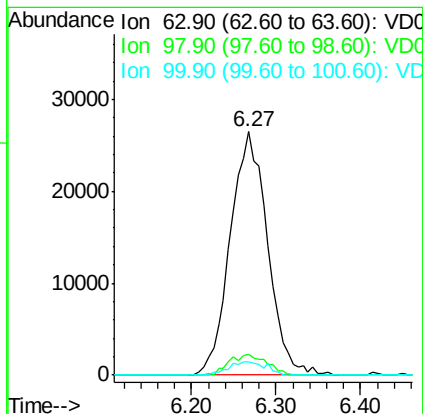
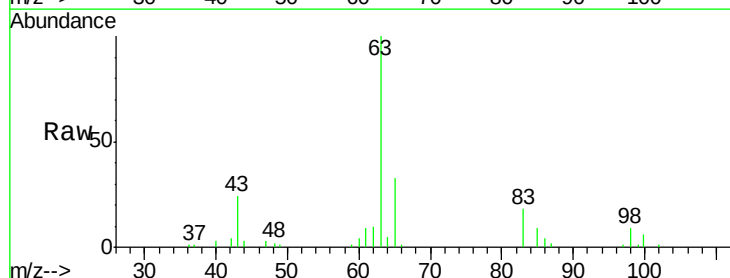
Tgt Ion: 63 Resp: 80804

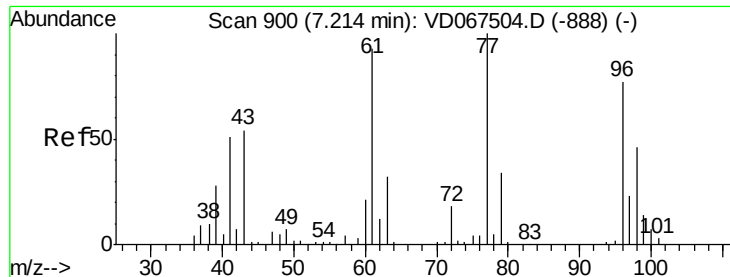
Ion Ratio Lower Upper

63 100

98 8.5 3.9 11.5

100 5.6 2.6 7.8





#25

2-Butanone

Concen: 94.381 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

Tot Ion: 43 Resp: 37657

Ion Ratio Lower Upper

43 100

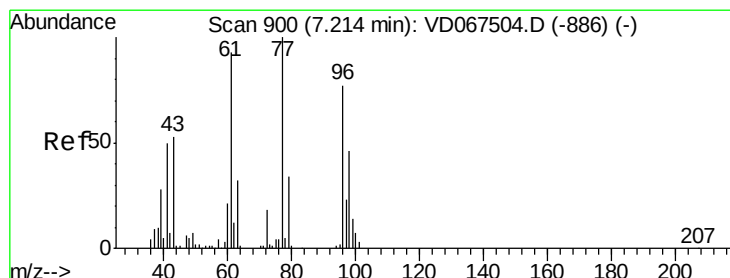
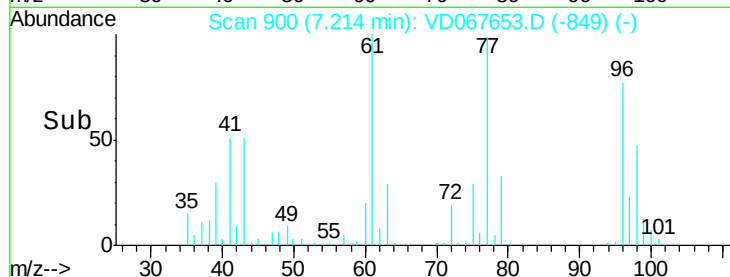
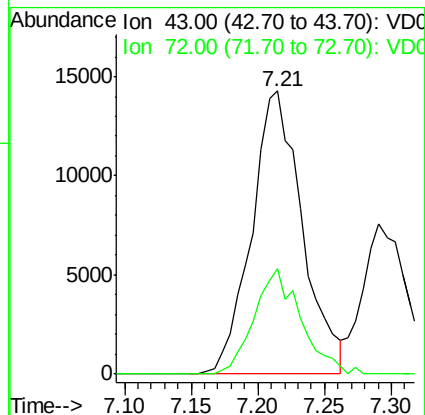
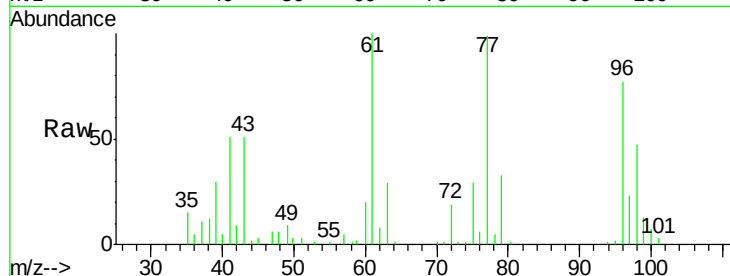
72 37.5 26.4 39.6

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#26

2,2-Dichloropropane

Concen: 20.438 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067653.D

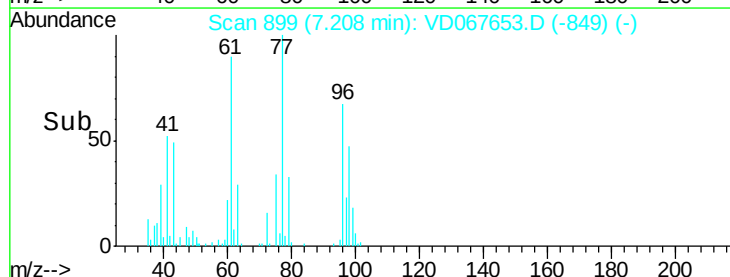
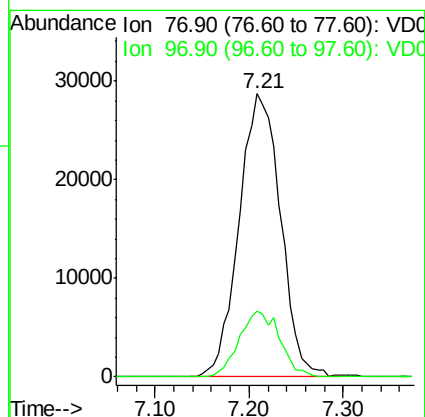
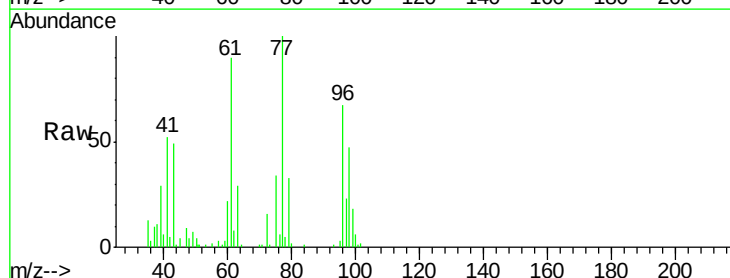
Acq: 17 Nov 2020 11:00

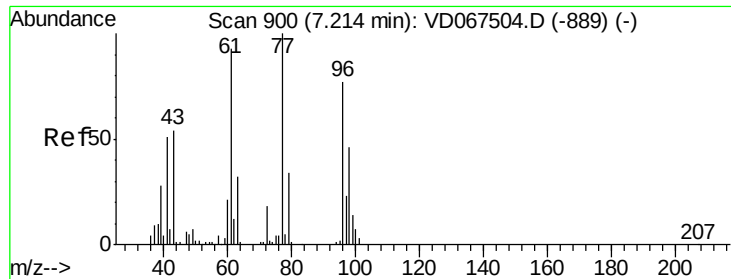
Tgt Ion: 77 Resp: 87659

Ion Ratio Lower Upper

77 100

97 22.8 11.1 33.3





#27

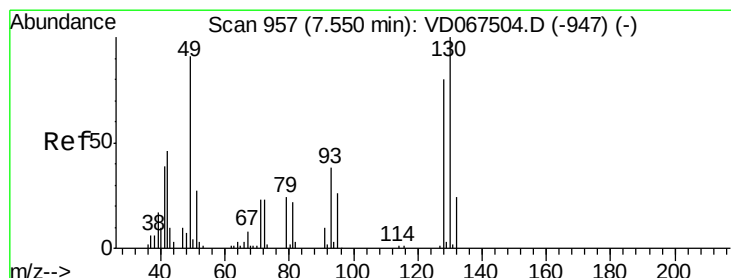
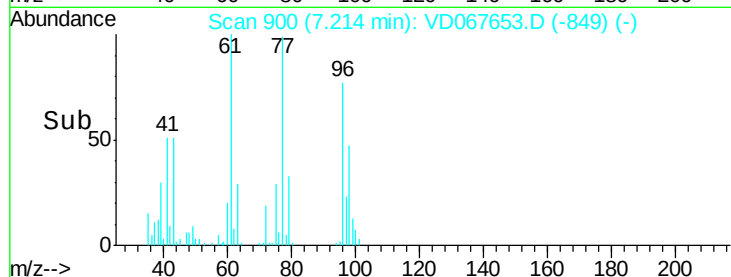
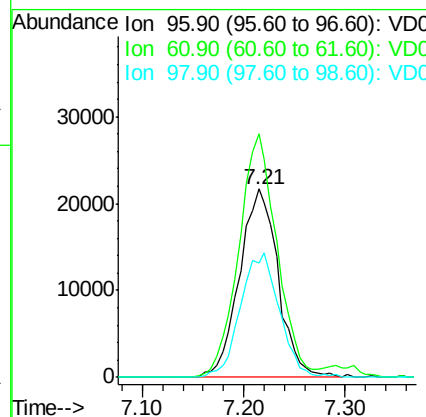
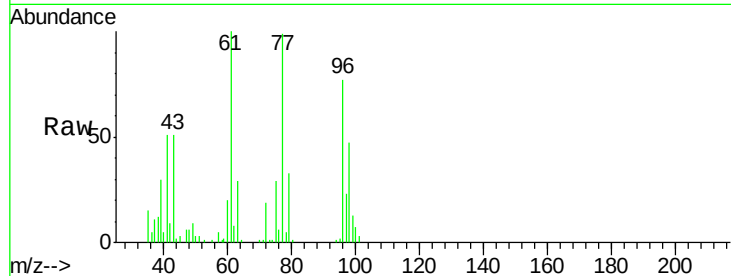
cis-1,2-Dichloroethene
Concen: 19.945 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.7	0.0	251.6
98	66.1	0.0	128.0

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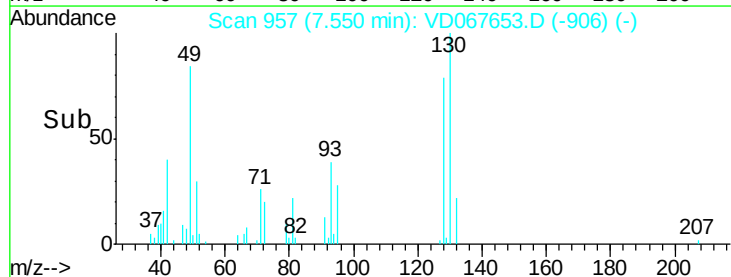
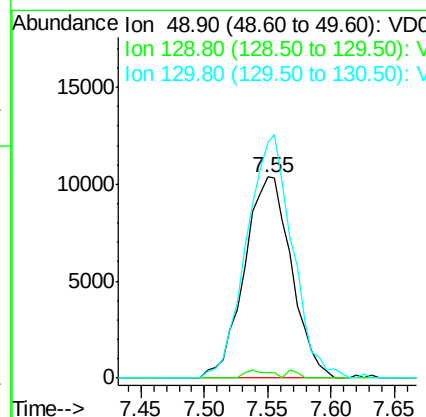
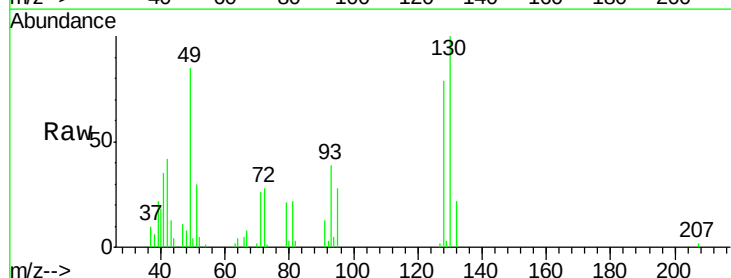
MMDadoda
11/18/2020 10:50:17 AM

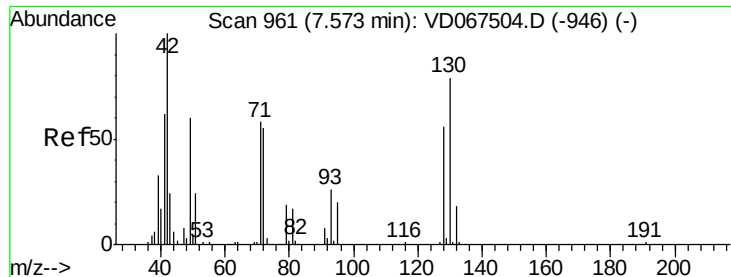


#28

Bromochloromethane
Concen: 18.496 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	6.4
130	117.5	94.6	142.0





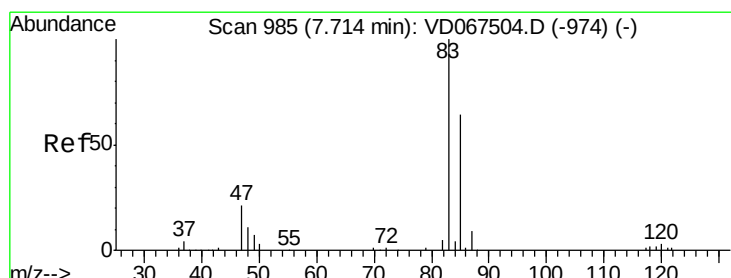
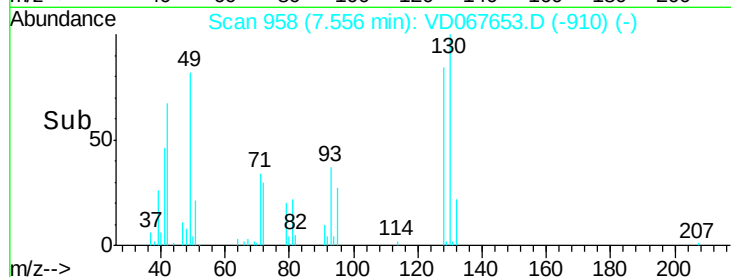
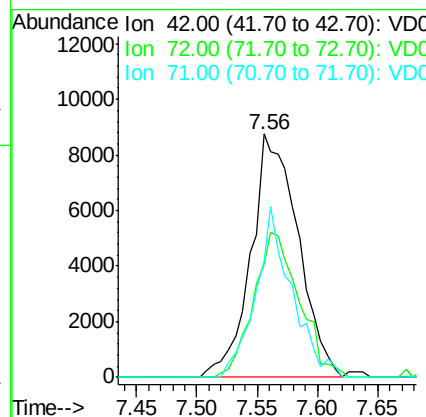
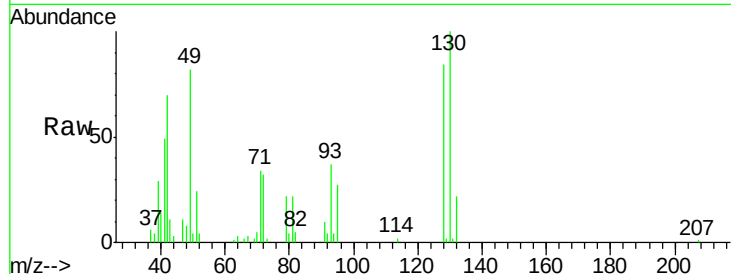
#29
Tetrahydrofuran
Concen: 98.922 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.02 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.9	46.3	69.5
71	54.0	44.0	66.0

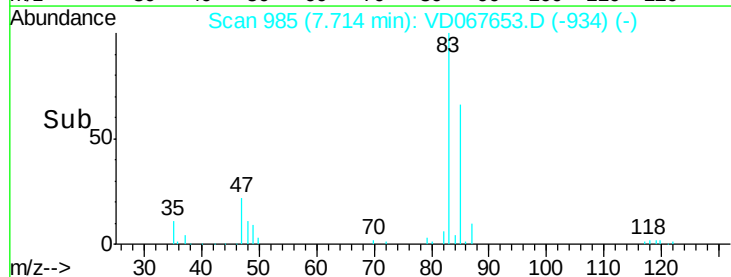
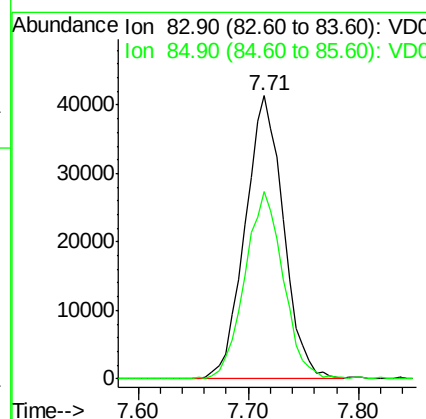
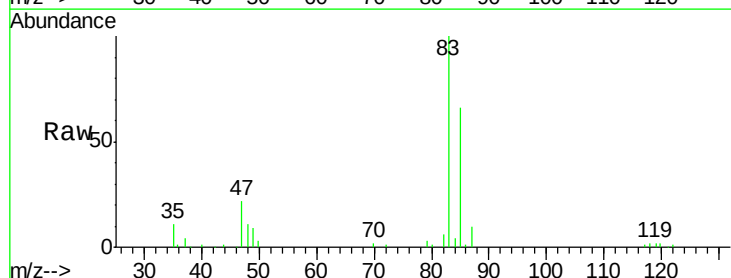
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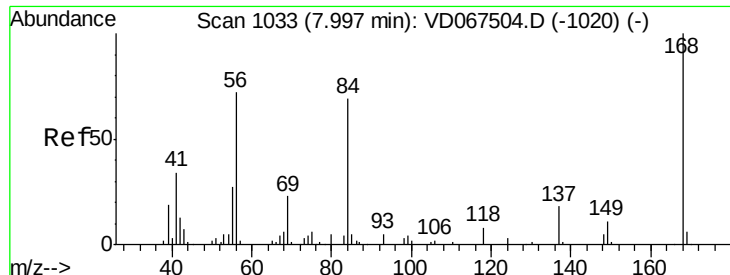
MMDadoda
11/18/2020 10:50:17 AM



#30
Chloroform
Concen: 20.811 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.5	77.3





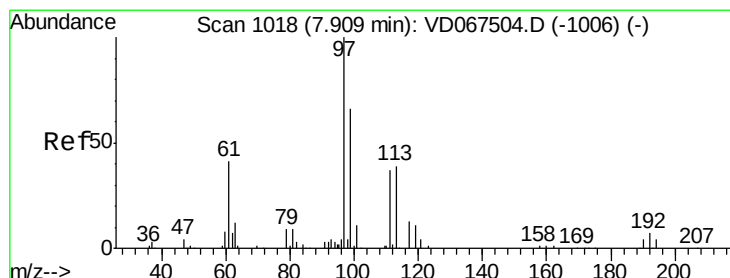
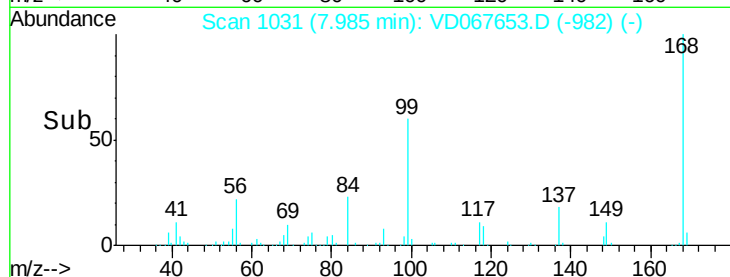
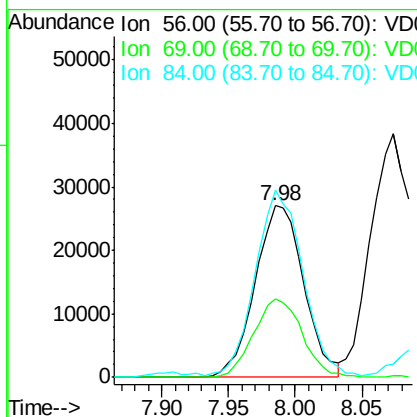
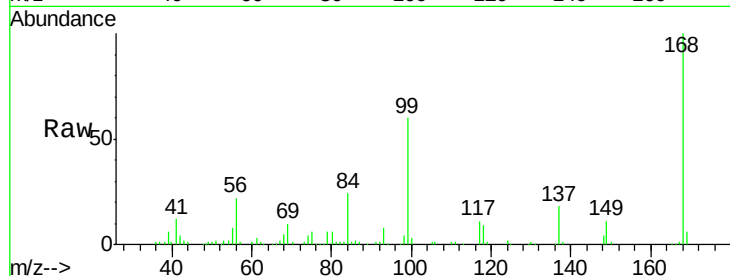
#31
Cyclohexane
Concen: 18.902 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion	56	69	84
Resp	68409		
Ratio	100	46.1	107.2
Lower		25.9	76.2
Upper		38.9#	114.4

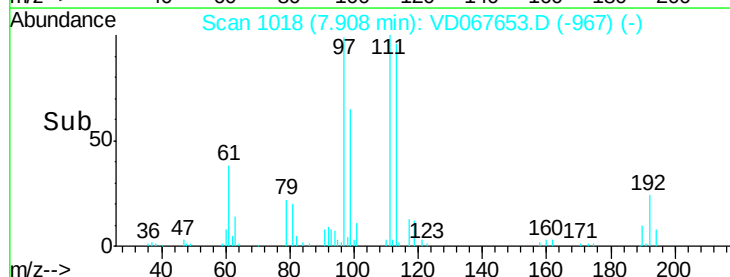
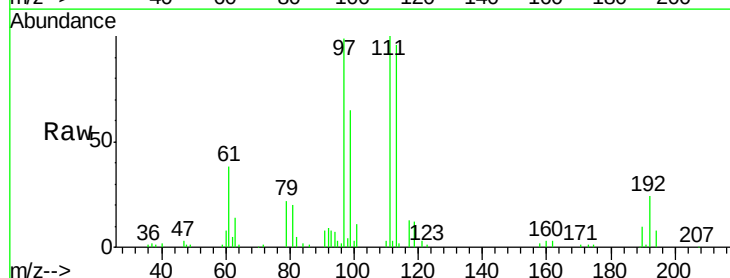
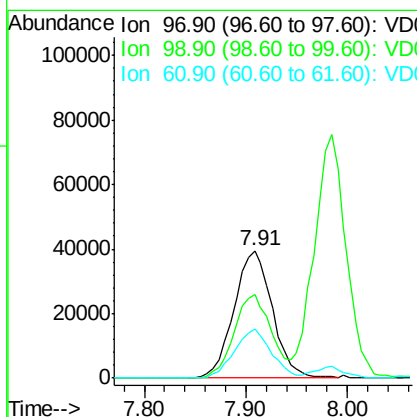
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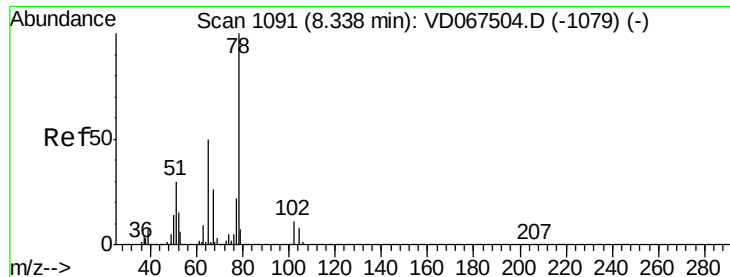
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11/18/2020 10:50:17 AM



#32
1,1,1-Trichloroethane
Concen: 20.589 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion	97	99	61
Resp	102994		
Ratio	100	64.7	37.1
Lower		51.8	30.5
Upper		77.6	45.7





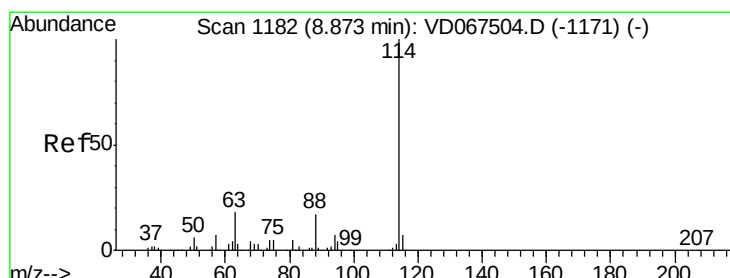
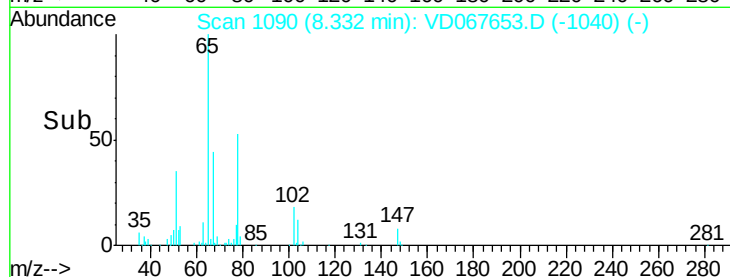
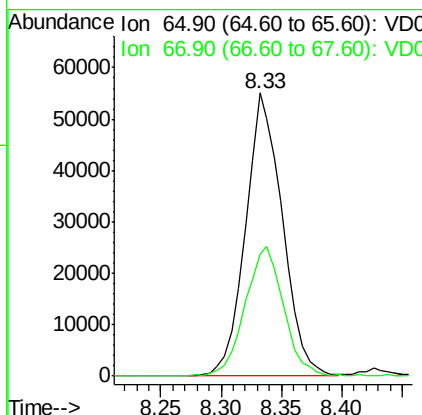
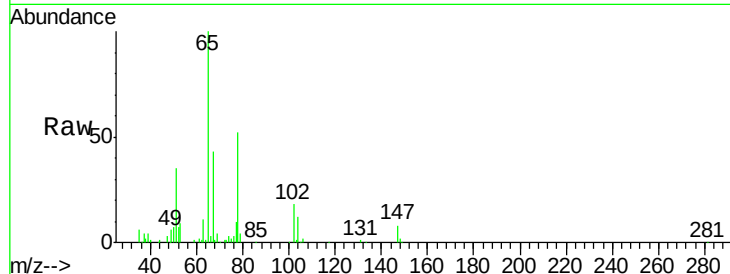
#33
 1,2-Dichloroethane-d4
 Concen: 46.942 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	47.8	0.0	99.4	

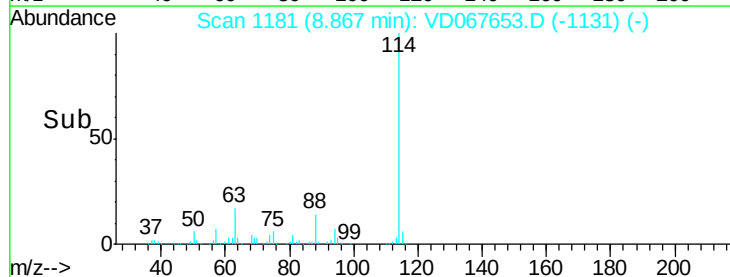
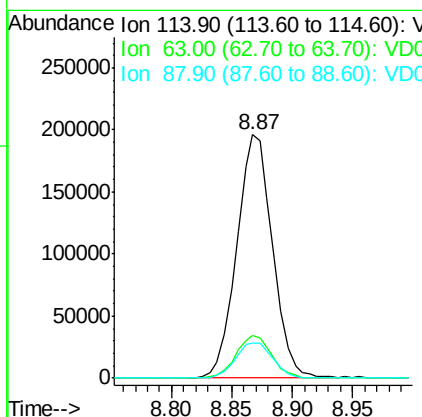
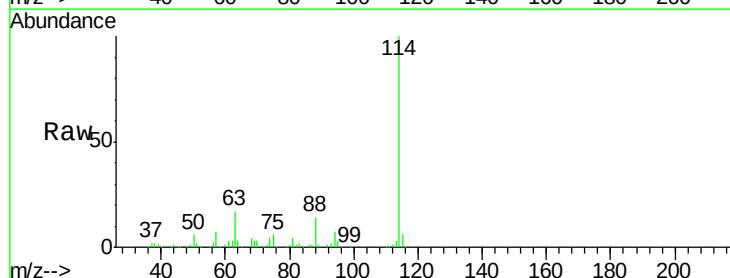
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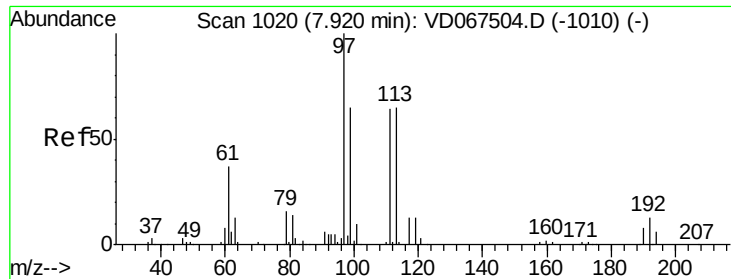
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.3	0.0	35.0	
88	14.4	0.0	33.0	





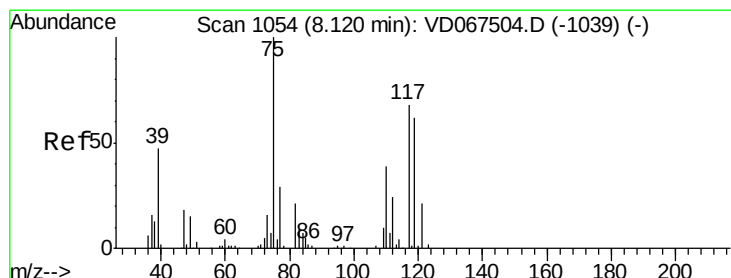
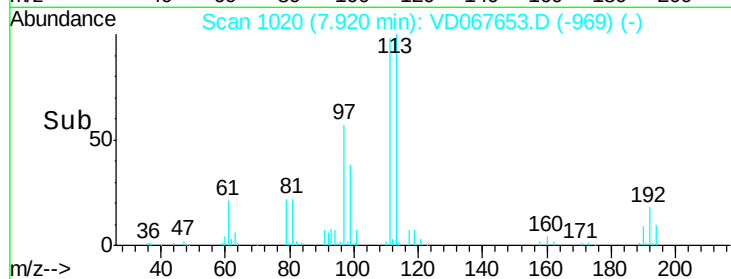
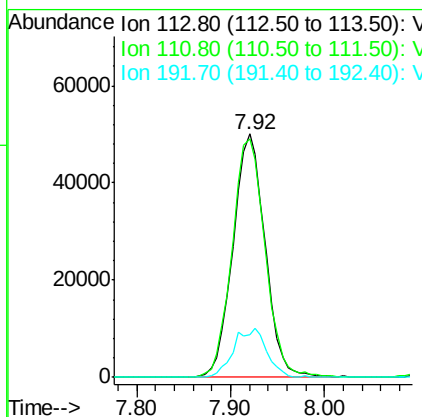
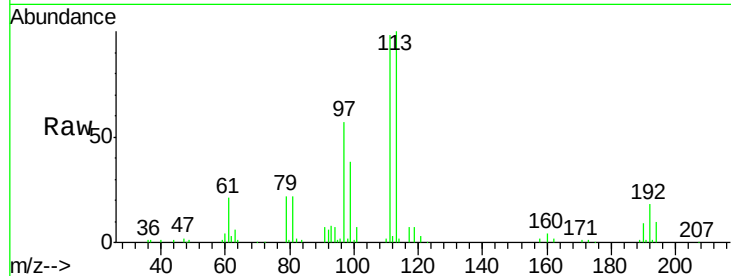
#35
Dibromofluoromethane
Concen: 48.710 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	118515		
111	101.4	80.0	120.0	
192	20.6	16.3	24.5	

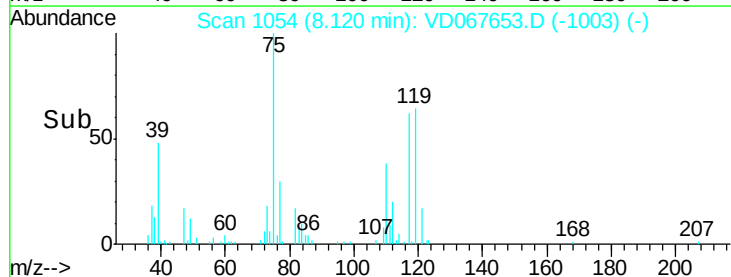
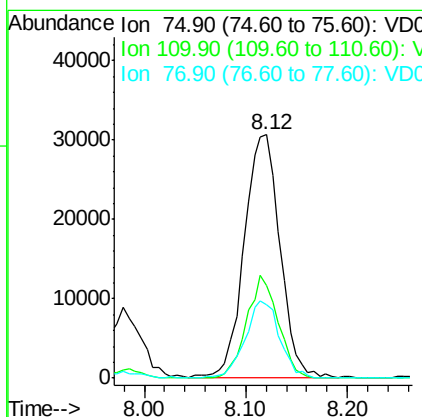
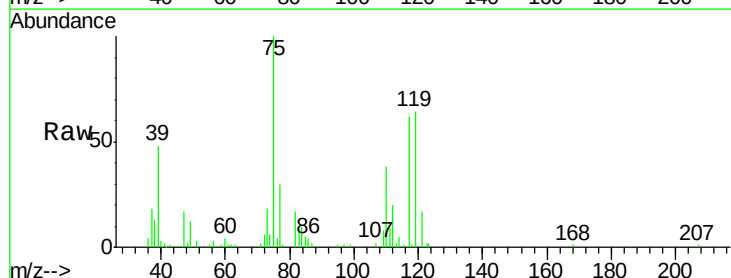
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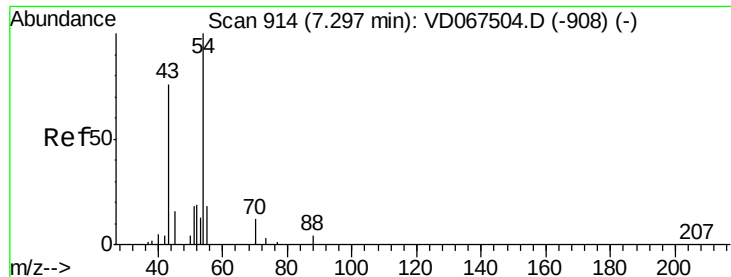
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#36
1,1-Dichloropropene
Concen: 21.770 ug/l
RT: 8.12 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75251		
110	37.0	19.9	59.7	
77	30.5	24.8	37.2	





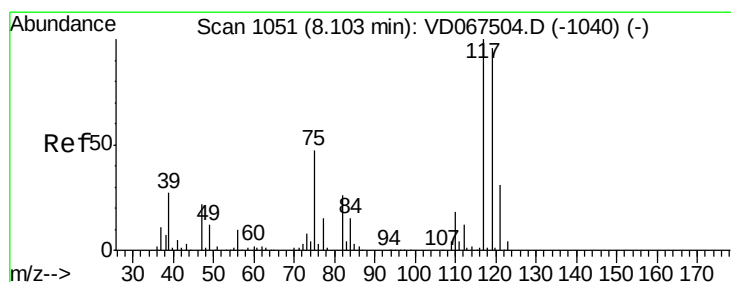
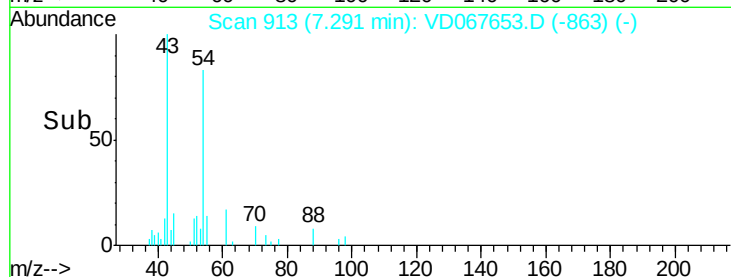
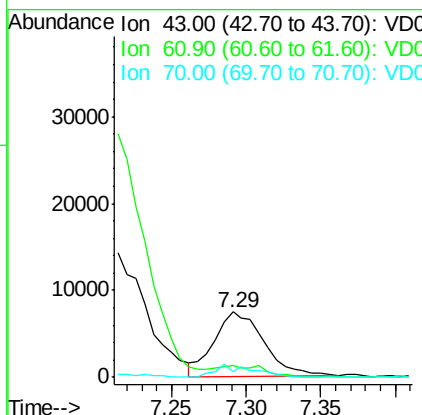
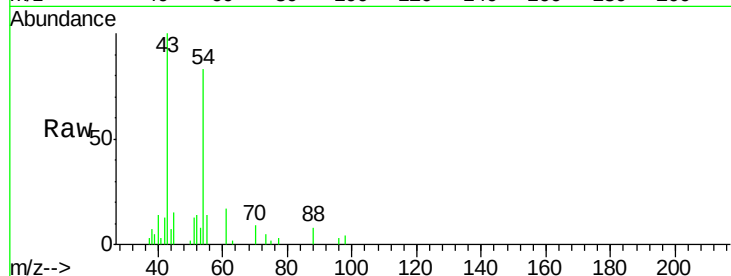
#37
Ethyl Acetate
Concen: 19.022 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.4	12.8	19.2
70	15.2	11.7	17.5

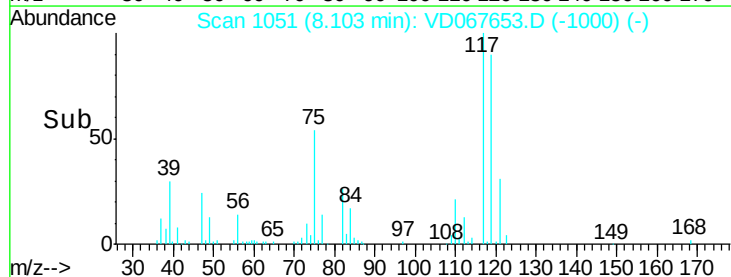
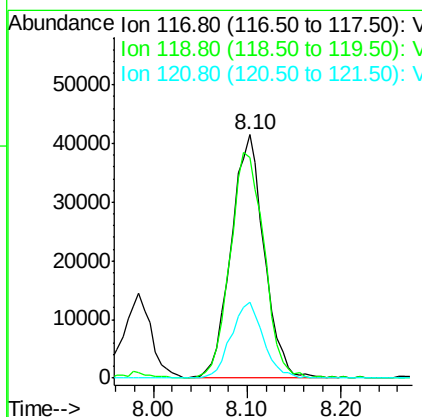
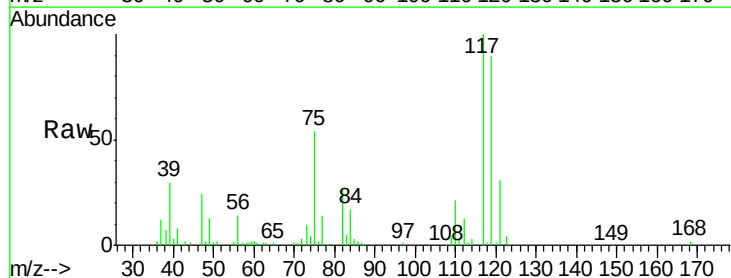
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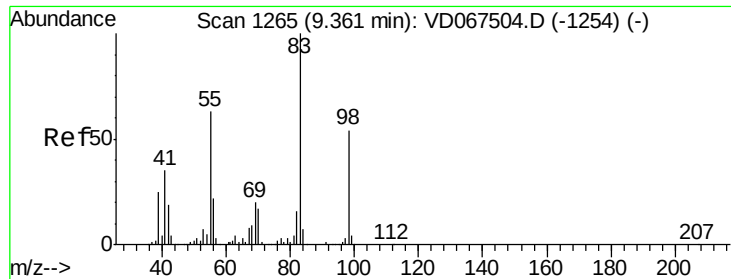
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11/18/2020 10:50:17 AM



#38
Carbon Tetrachloride
Concen: 22.538 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.5	76.9	115.3
121	31.3	24.5	36.7





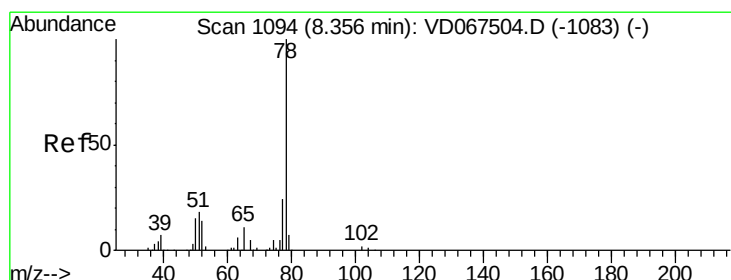
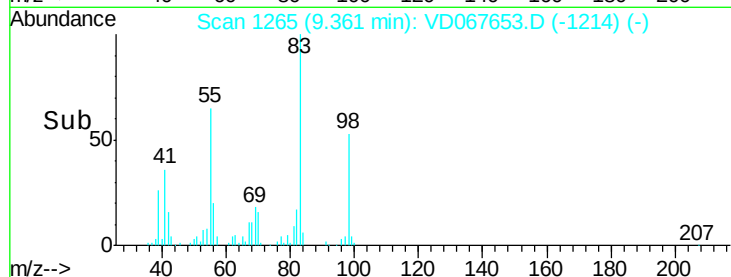
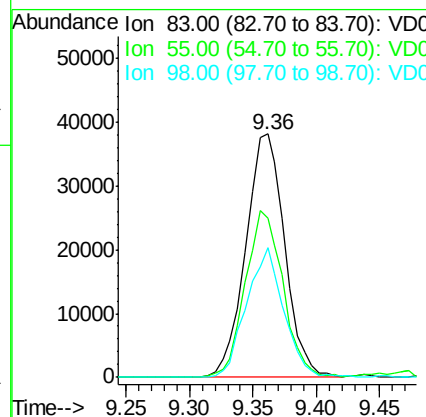
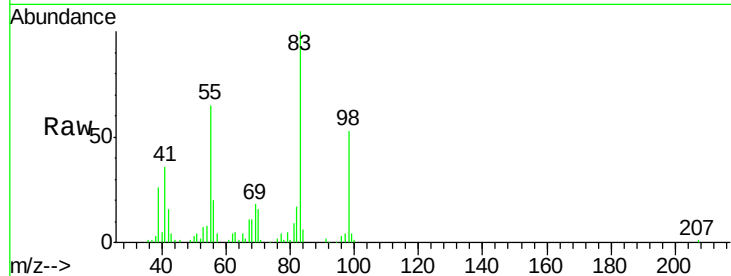
#39
Methylvclclohexane
Concen: 20.095 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.4	50.5	75.7
98	53.1	43.4	65.0

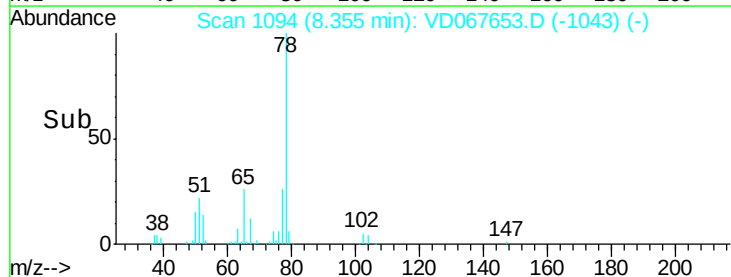
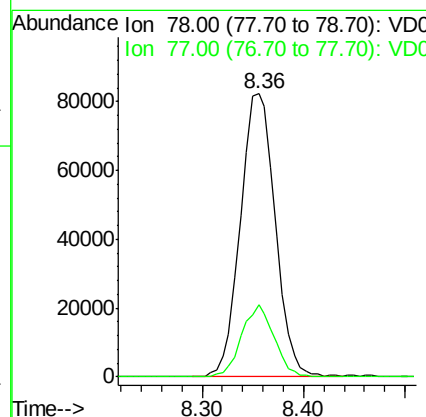
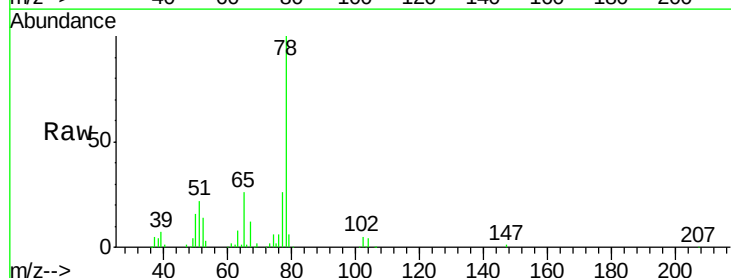
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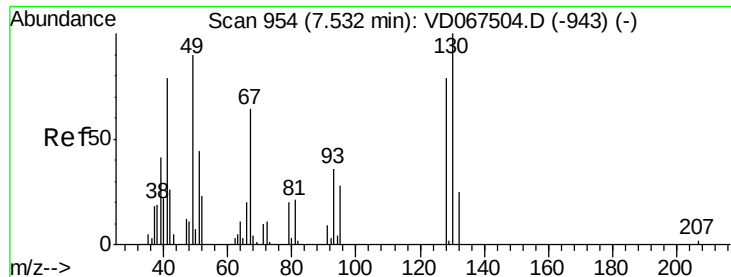
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#40
Benzene
Concen: 21.027 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.1	28.7





#41

Methacrylonitrile

Concen: 23.194 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

Tot Ion: 41 Resp: 12442

Ion Ratio Lower Upper

41 100

39 0.0 51.3 76.9#

67 82.1 78.9 118.3

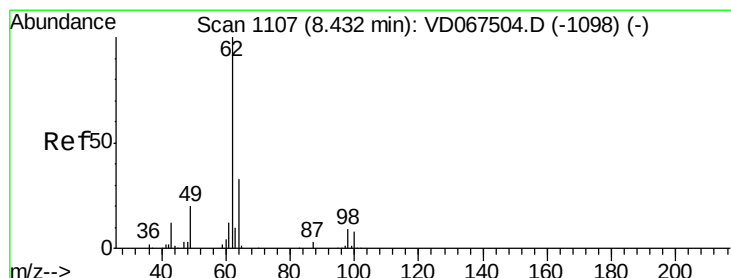
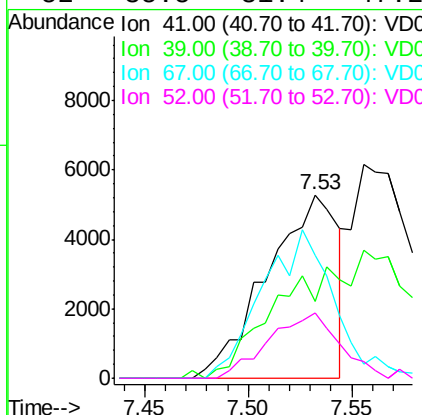
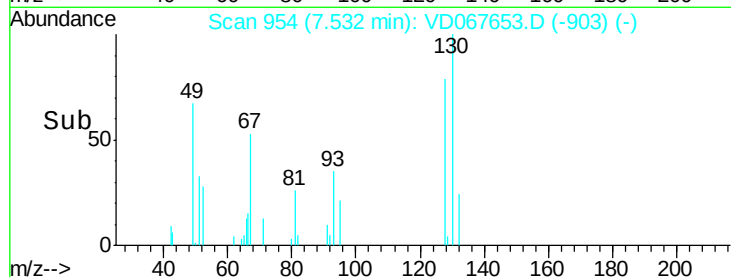
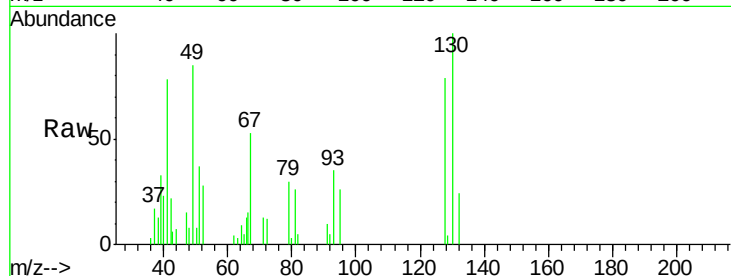
52 35.5 31.4 47.2

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11/18/2020 10:50:17 AM



#42

1,2-Dichloroethane

Concen: 21.449 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067653.D

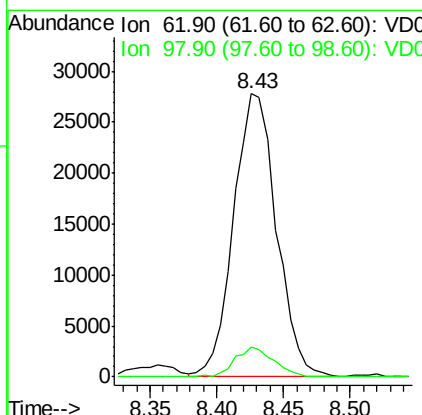
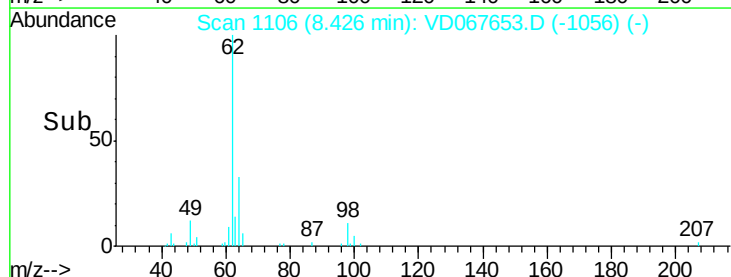
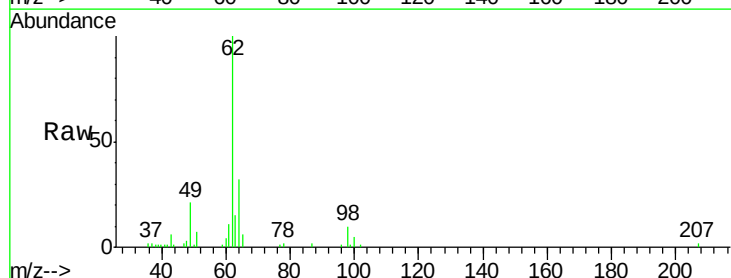
Acq: 17 Nov 2020 11:00

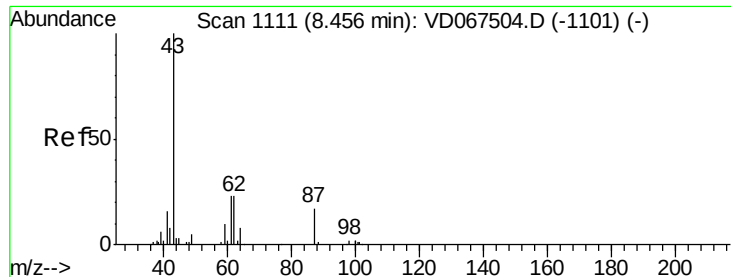
Tgt Ion: 62 Resp: 62051

Ion Ratio Lower Upper

62 100

98 9.5 0.0 19.8





#43

Isopropyl Acetate

Concen: 19.906 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

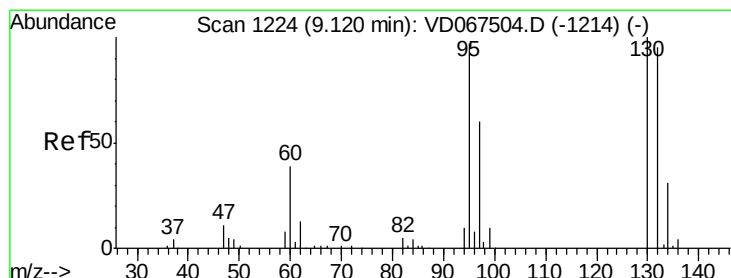
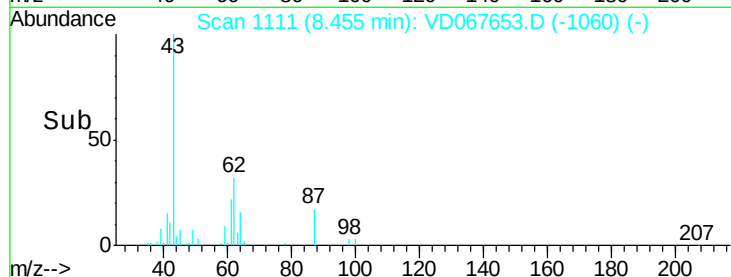
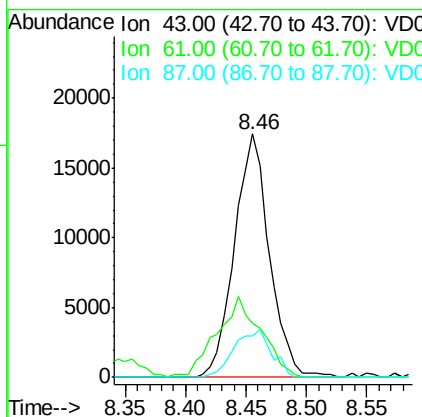
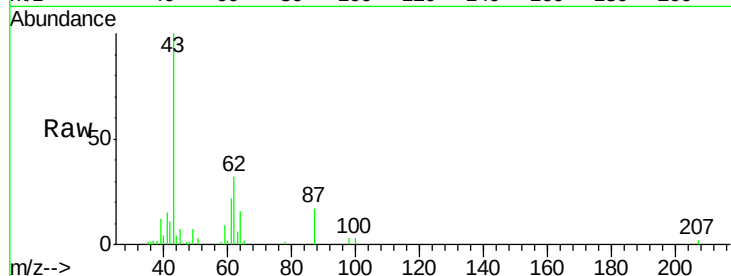
ClientSampleId :

VD1117SBS01

Tot Ion:	43	Resp:	35330
Ion	Ratio	Lower	Upper
43	100		
61	41.7	30.5	45.7
87	20.8	14.7	22.1

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#44

Trichloroethene

Concen: 20.541 ug/l

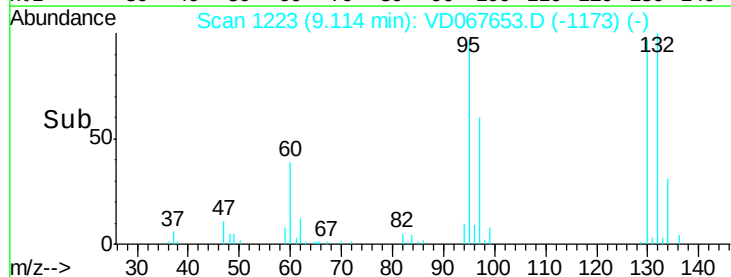
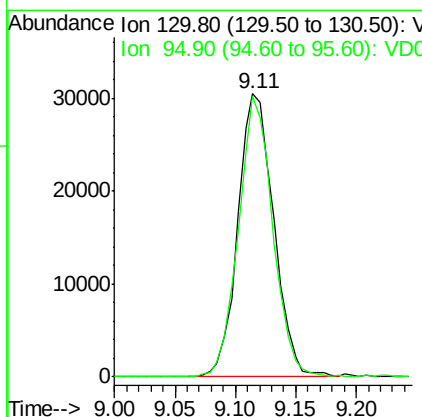
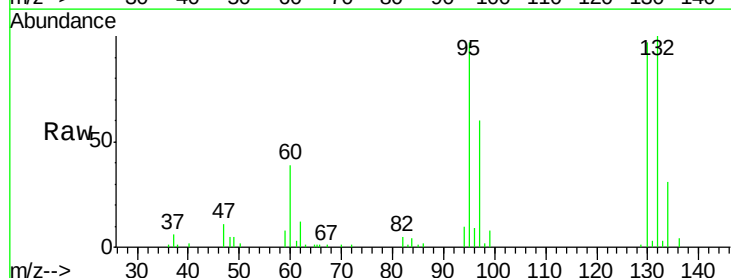
RT: 9.11 min Scan# 1223

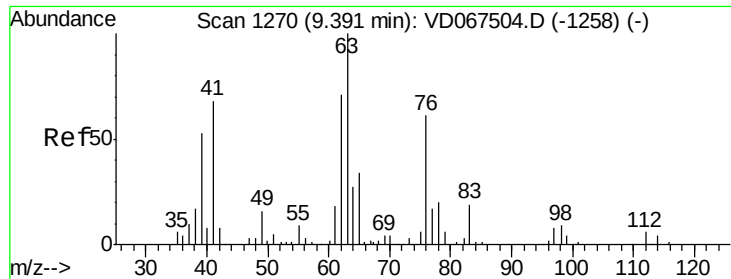
Delta R.T. -0.01 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Tgt Ion:	130	Resp:	63241
Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	194.4





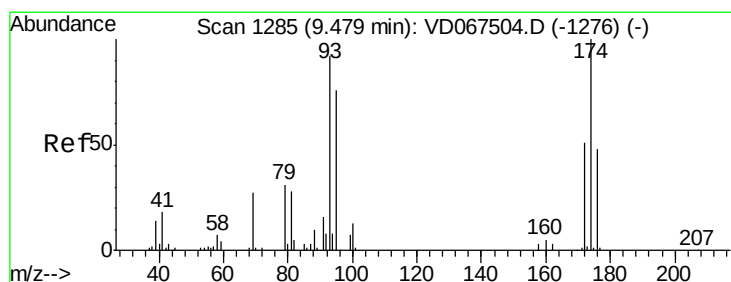
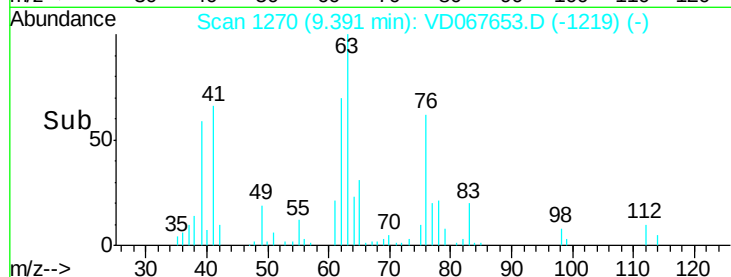
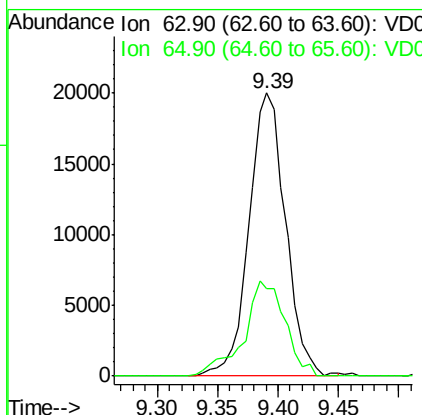
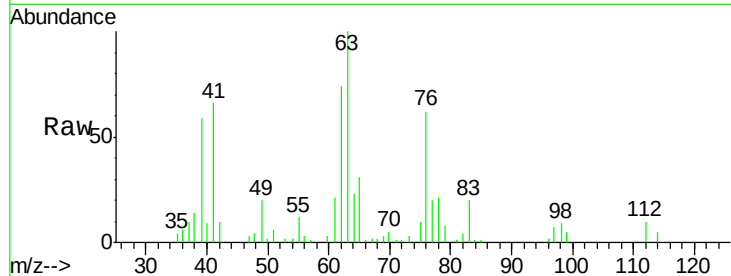
#45
 1,2-Dichloropropane
 Concen: 20.930 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

Tot Ion: 63 Resp: 42371
 Ion Ratio Lower Upper
 63 100
 65 30.8 26.9 40.3

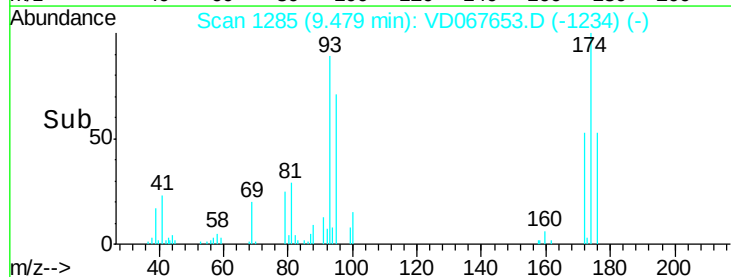
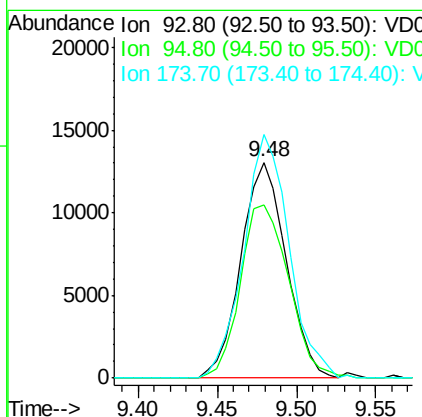
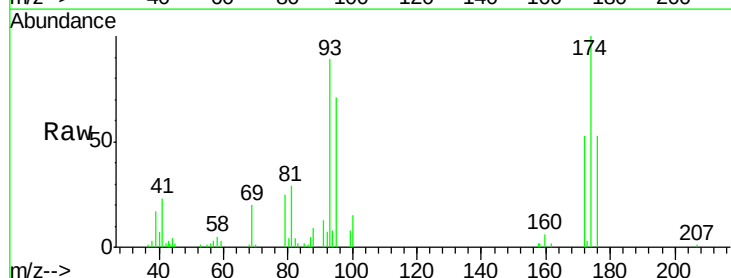
Manual Integrations
 APPROVED

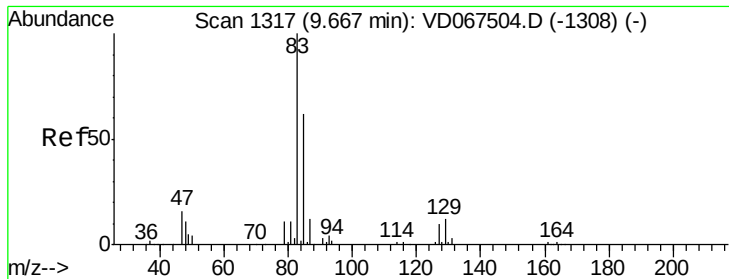
MMDadoda
 11/18/2020 10:50:17 AM



#46
 Dibromomethane
 Concen: 20.154 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Tgt Ion: 93 Resp: 25942
 Ion Ratio Lower Upper
 93 100
 95 85.8 66.4 99.6
 174 113.3 88.2 132.4





#47

Bromodichloromethane

Concen: 21.745 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

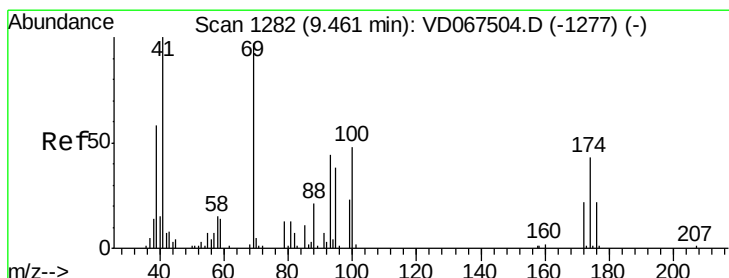
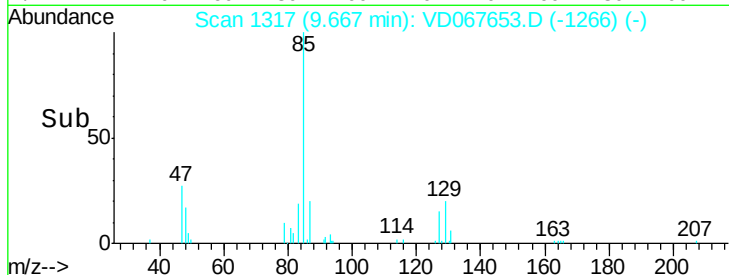
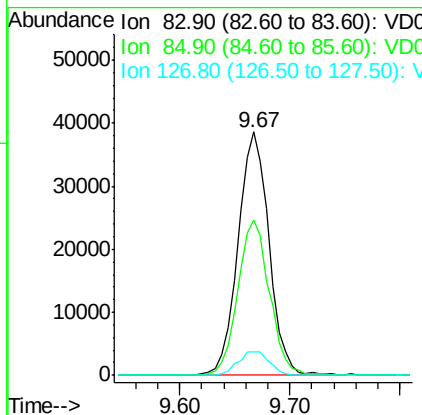
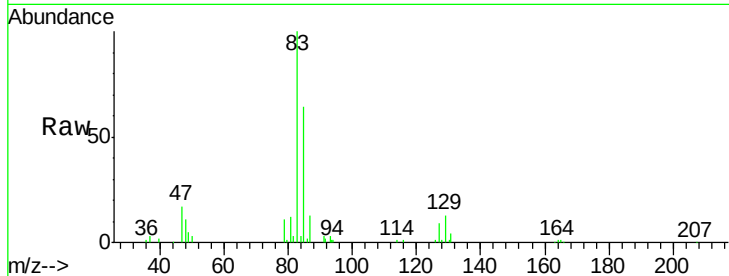
ClientSampleId :

VD1117SBS01

Tot Ion:	83	Resp:	76076
Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.4	74.2
127	9.5	7.7	11.5

Manual Integrations
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MMDadoda
11/18/2020 10:50:17 AM



#48

Methyl methacrylate

Concen: 19.471 ug/l

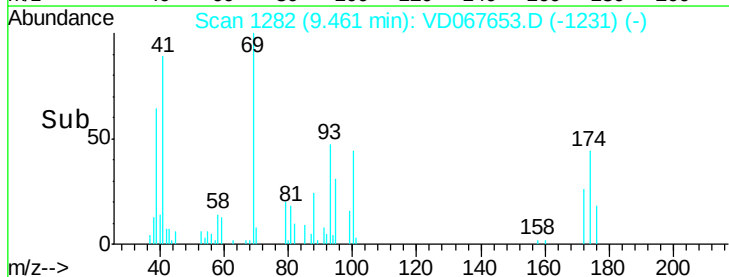
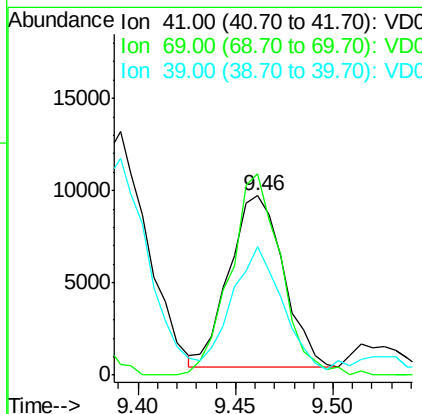
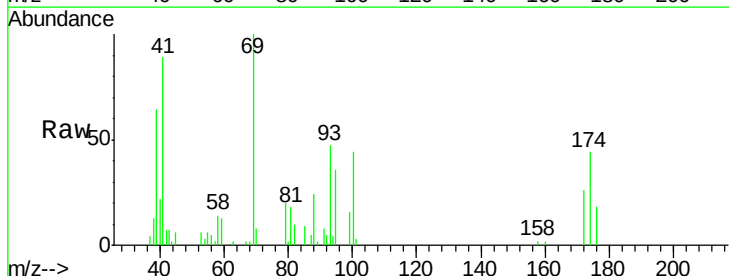
RT: 9.46 min Scan# 1282

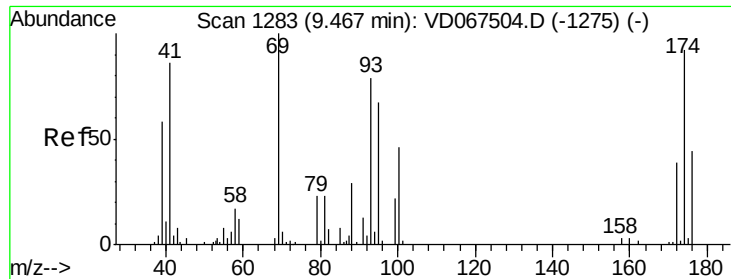
Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Tgt Ion:	41	Resp:	17843
Ion	Ratio	Lower	Upper
41	100		
69	110.0	80.6	121.0
39	65.1	50.2	75.4





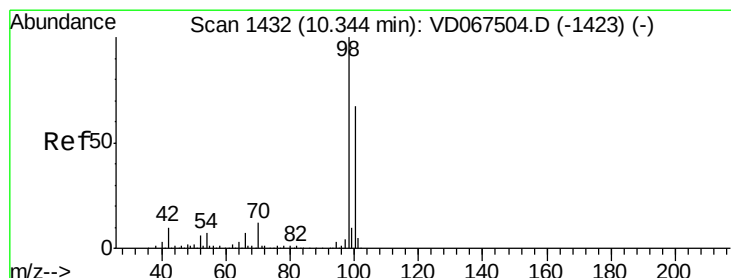
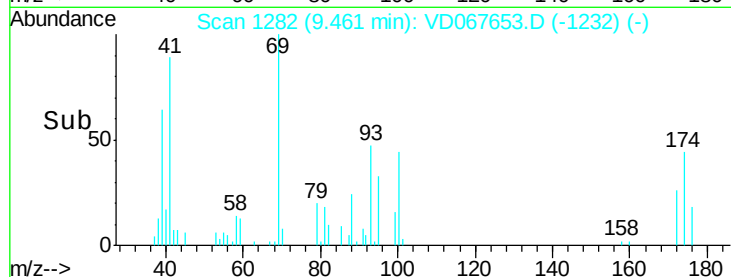
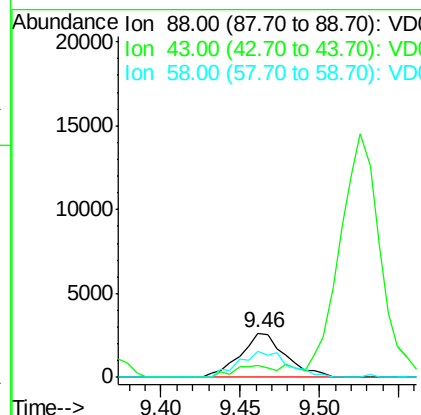
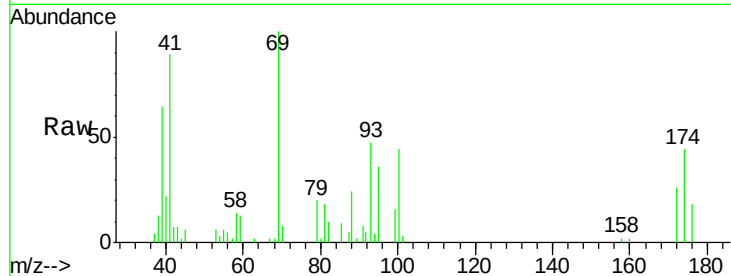
#49
1,4-Dioxane
Concen: 398.174 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion	88	Resp	5203
Ion	Ratio	Lower	Upper
88	100		
43	23.9	23.6	35.4
58	64.3	44.7	67.1

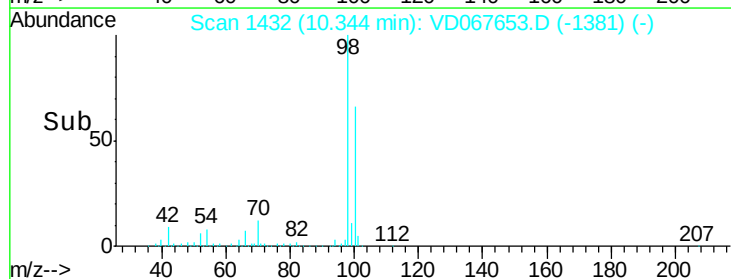
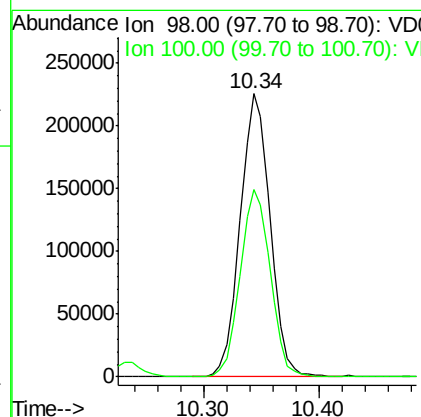
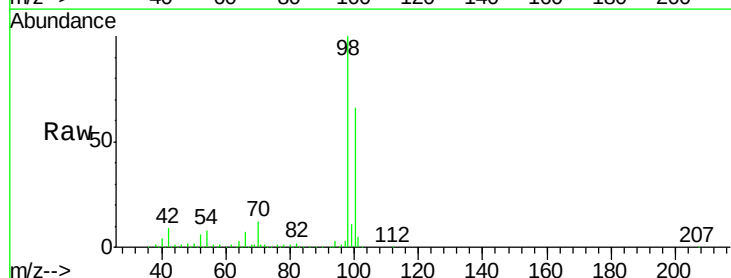
Manual Integrations
APPROVED

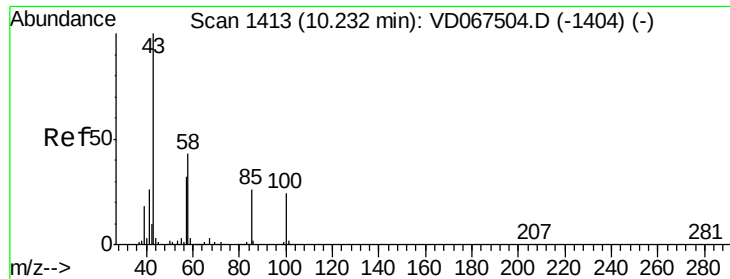
MMDadoda
11/18/2020 10:50:17 AM



#50
Toluene-d8
Concen: 47.460 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion	98	Resp	405802
Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 106.068 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

Tot Ion: 43 Resp: 90032

Ion Ratio Lower Upper

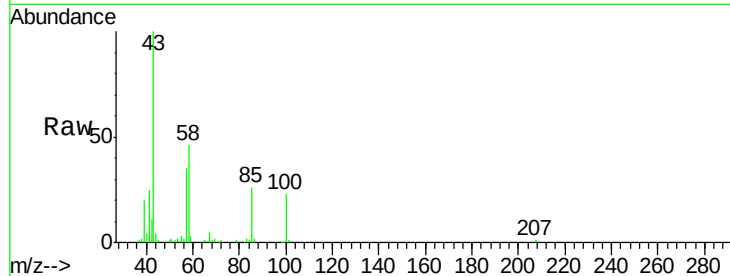
43 100

58 42.7 35.6 53.4

Manual Integrations
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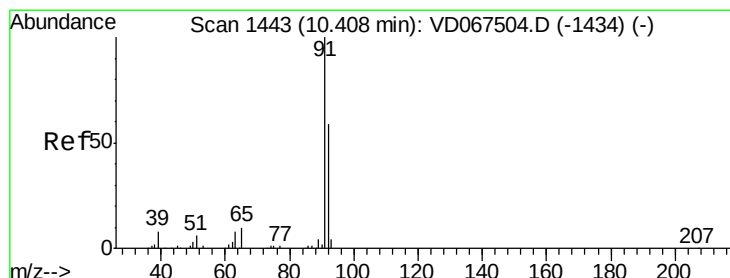
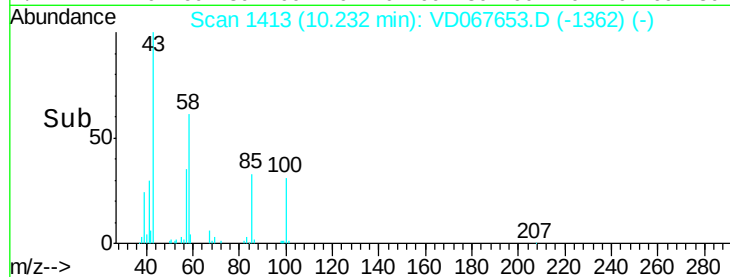
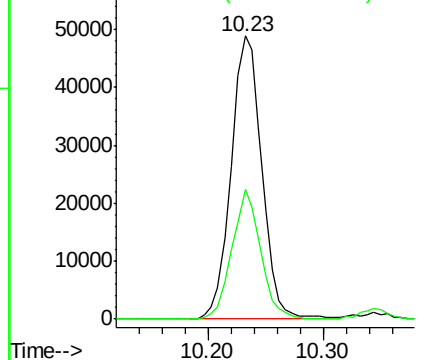
MMDadoda

11/18/2020 10:50:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 22.089 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067653.D

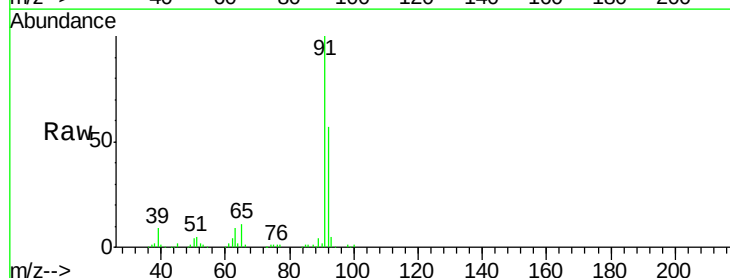
Acq: 17 Nov 2020 11:00

Tgt Ion: 92 Resp: 138536

Ion Ratio Lower Upper

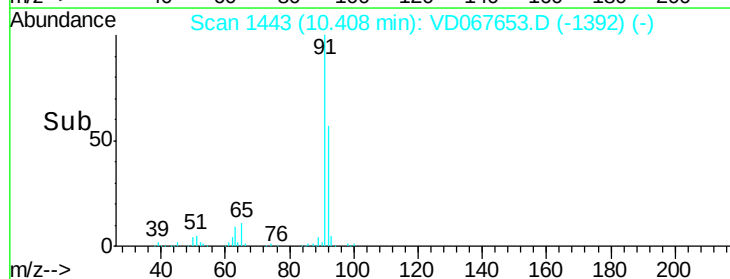
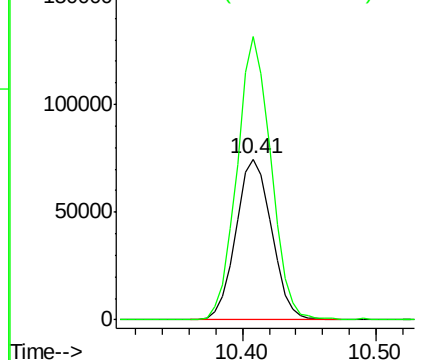
92 100

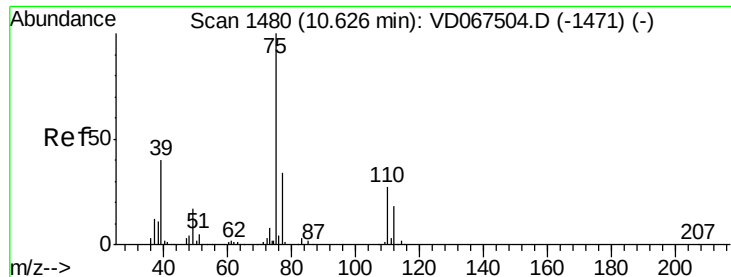
91 167.7 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.467 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

Tot Ion: 75 Resp: 64324

Ion Ratio Lower Upper

75 100

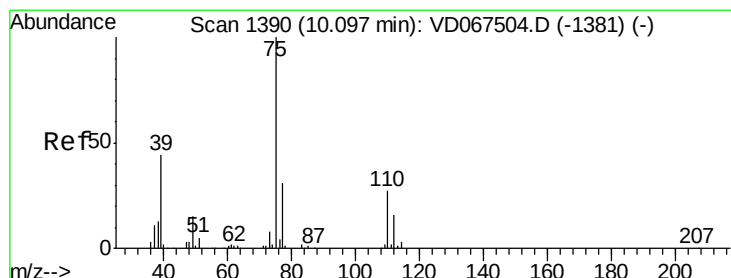
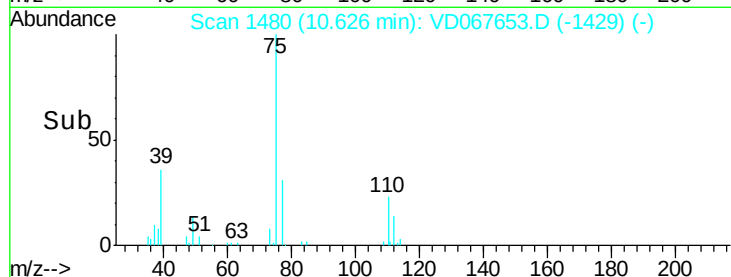
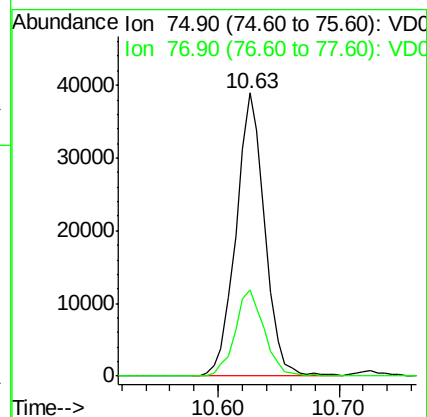
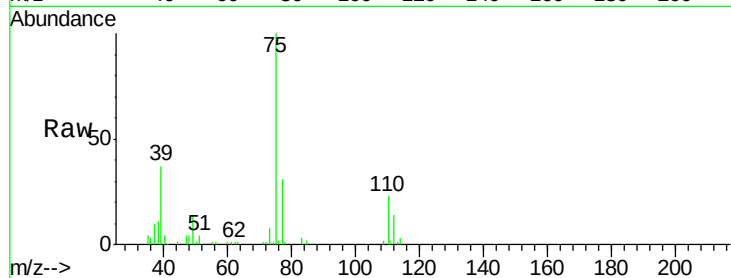
77 30.5 27.0 40.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.828 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

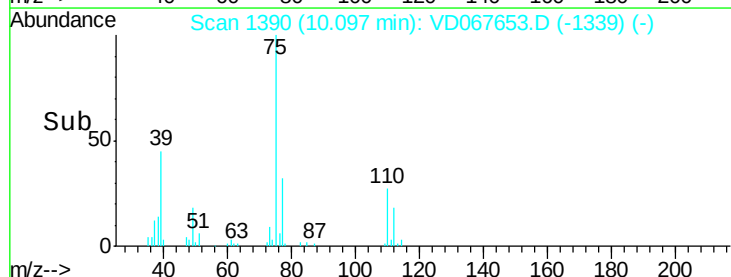
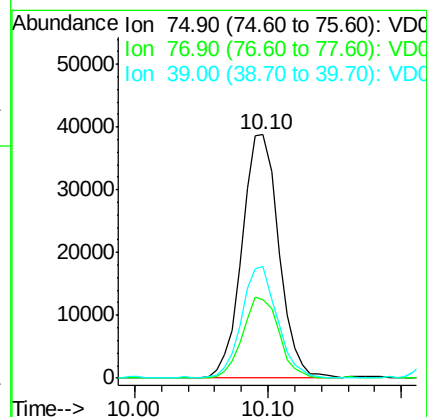
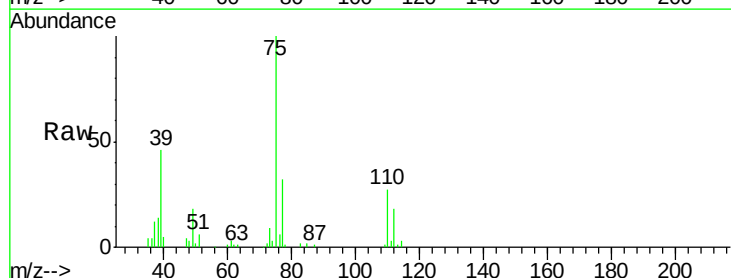
Tgt Ion: 75 Resp: 74147

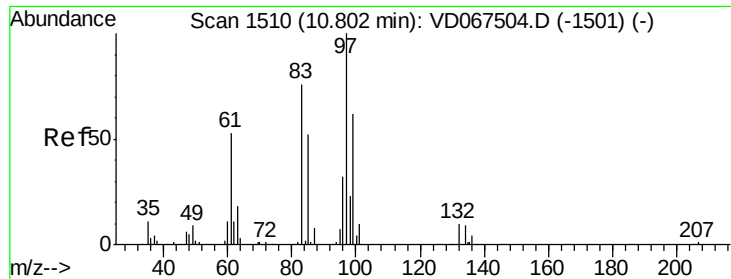
Ion Ratio Lower Upper

75 100

77 32.5 24.4 36.6

39 45.8 35.6 53.4





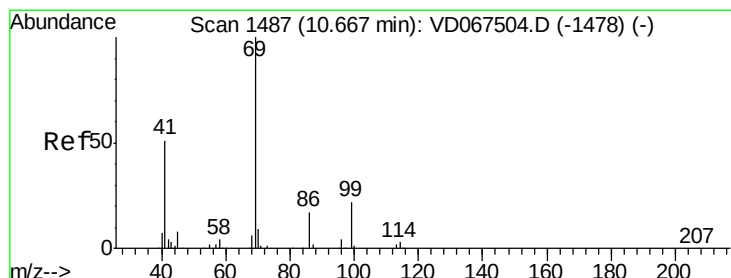
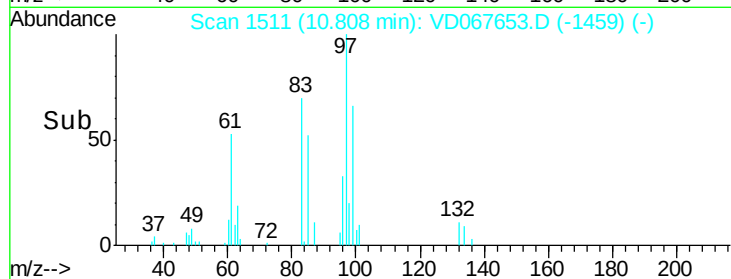
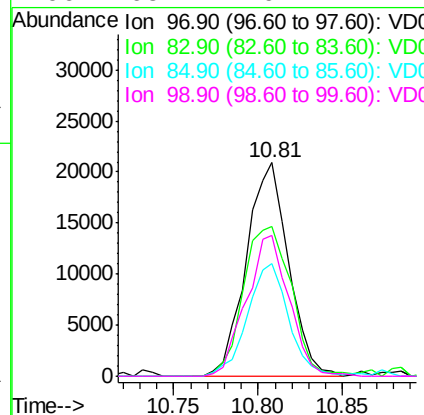
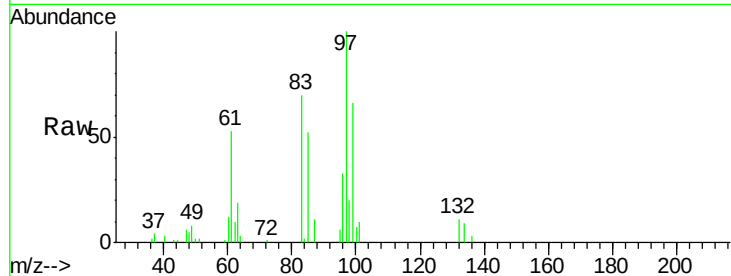
#55
 1,1,2-Trichloroethane
 Concen: 21.391 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

Tot Ion:	97	Resp:	36431
Ion	Ratio	Lower	Upper
97	100		
83	70.0	61.0	91.6
85	52.5	41.5	62.3
99	65.7	49.4	74.2

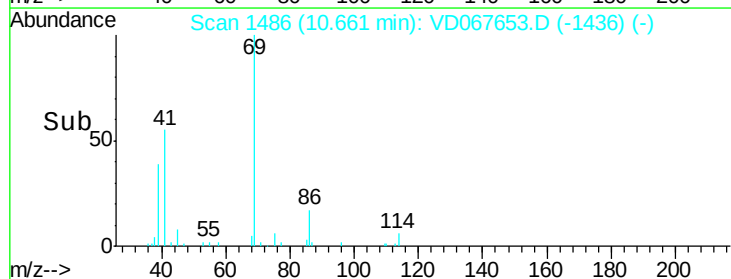
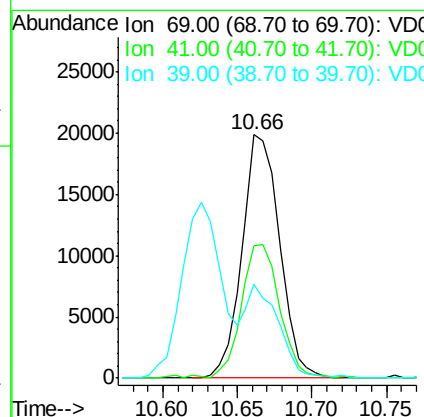
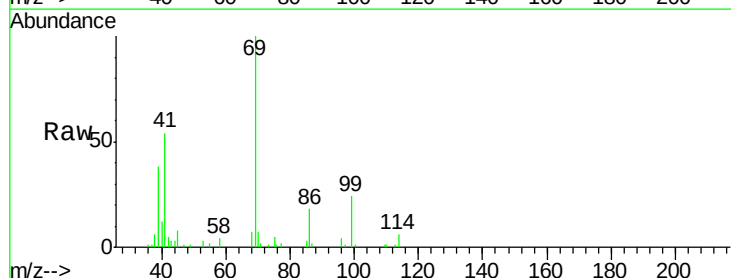
Manual Integrations
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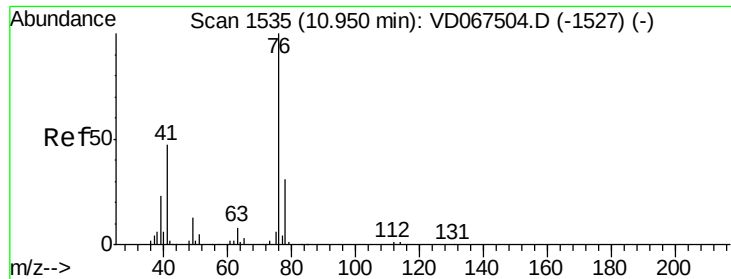
MMDadoda
 11/18/2020 10:50:17 AM



#56
 Ethyl methacrylate
 Concen: 19.682 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Tgt Ion:	69	Resp:	34615
Ion	Ratio	Lower	Upper
69	100		
41	56.2	45.4	68.0
39	34.6	27.4	41.0





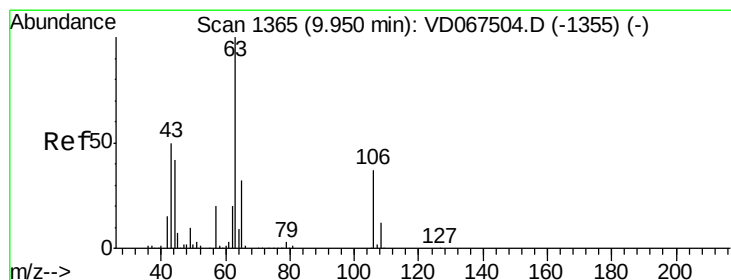
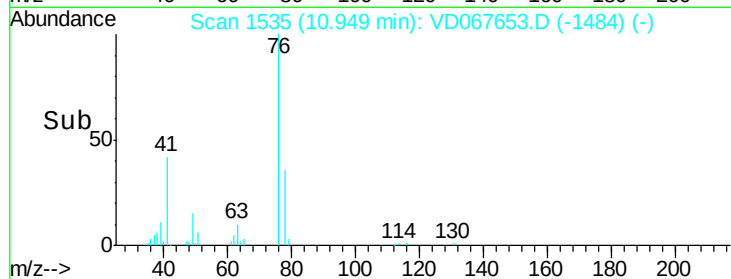
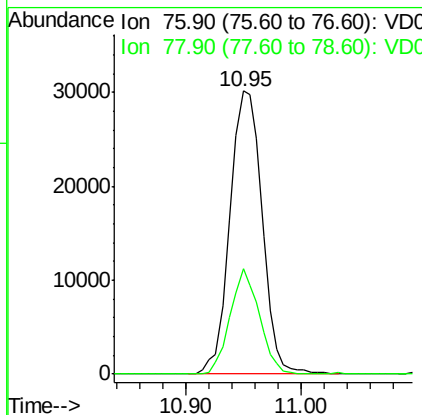
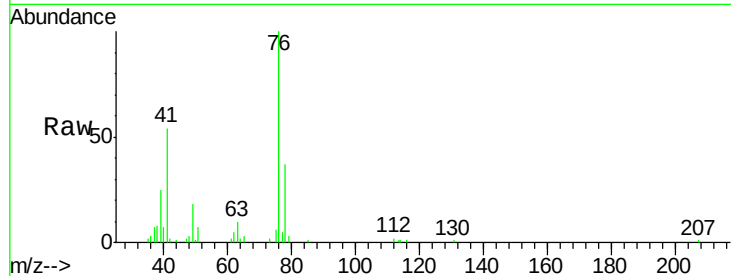
#57
 1,3-Dichloropropane
 Concen: 21.317 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

Tot Ion: 76 Resp: 58422
 Ion Ratio Lower Upper
 76 100
 78 33.7 26.1 39.1

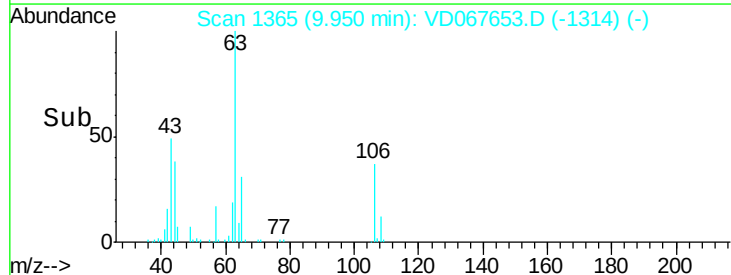
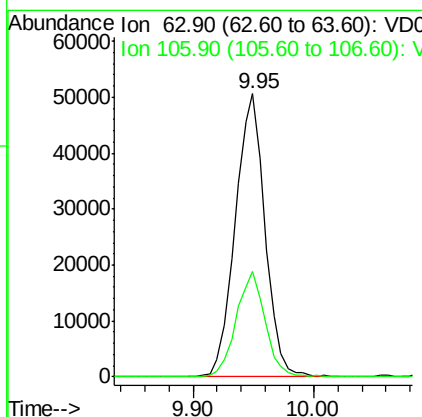
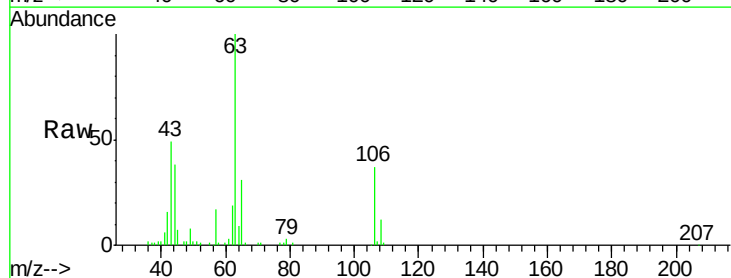
Manual Integrations
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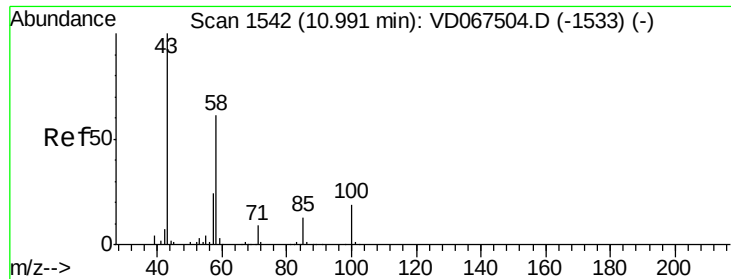
MMDadoda
 11/18/2020 10:50:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.724 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Tgt Ion: 63 Resp: 86710
 Ion Ratio Lower Upper
 63 100
 106 35.9 29.2 43.8





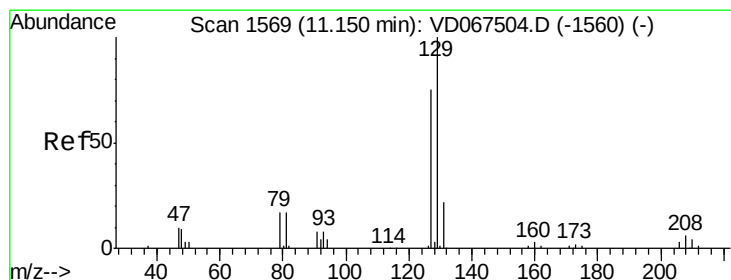
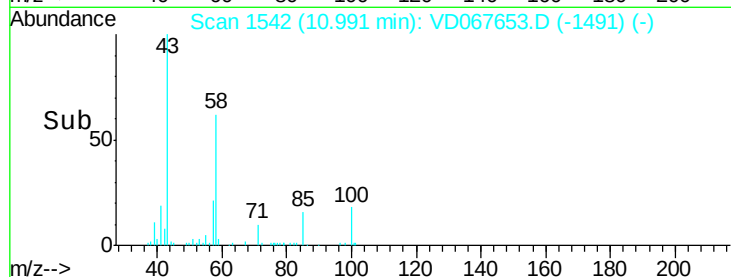
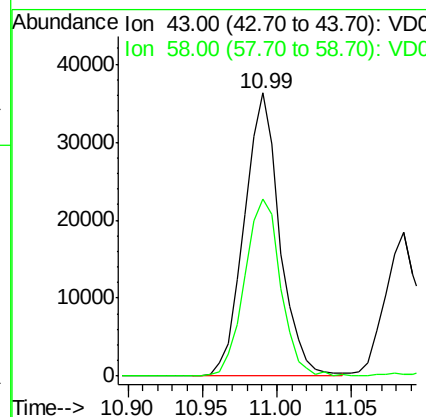
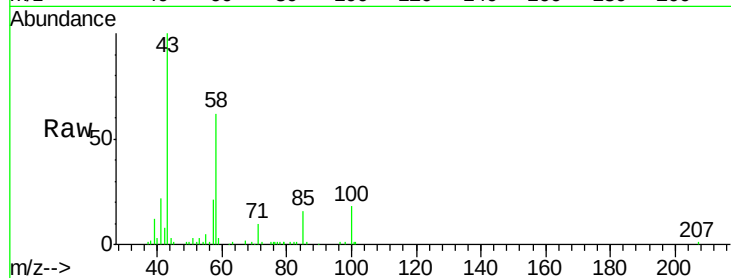
#59
2-Hexanone
Concen: 100.930 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	63.2	30.3	90.9

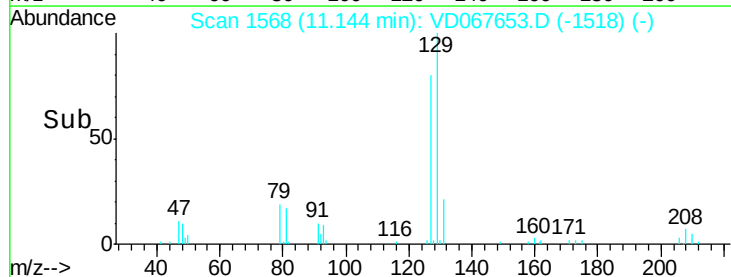
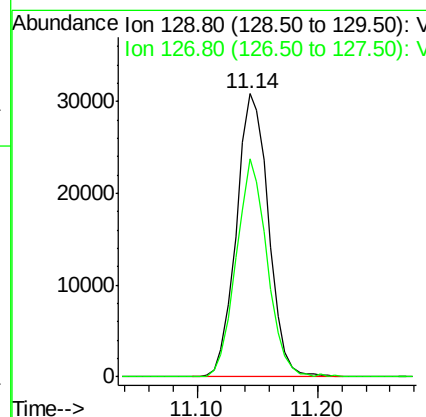
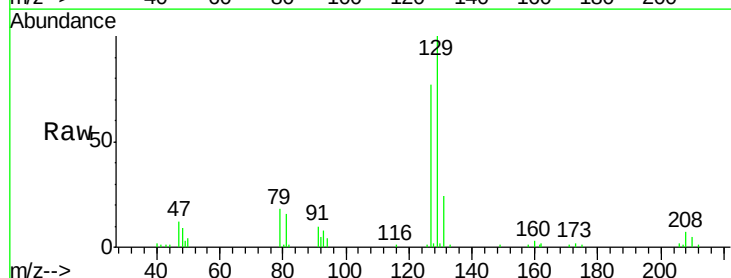
Manual Integrations
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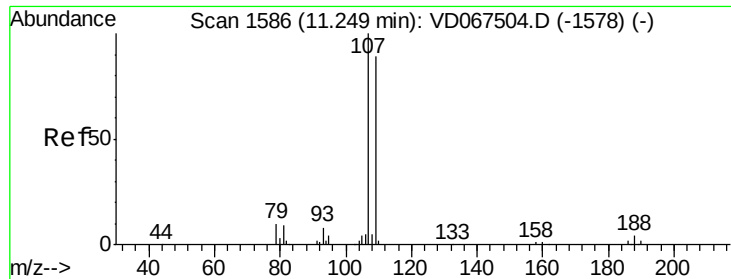
MMDadoda
11/18/2020 10:50:17 AM



#60
Dibromochloromethane
Concen: 22.709 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.4	38.0	114.1





#61

1,2-Dibromoethane

Concen: 20.950 ug/l

RT: 11.26 min Scan# 1587

Delta R.T. 0.01 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

Tot Ion: 107 Resp: 35810

Ion Ratio Lower Upper

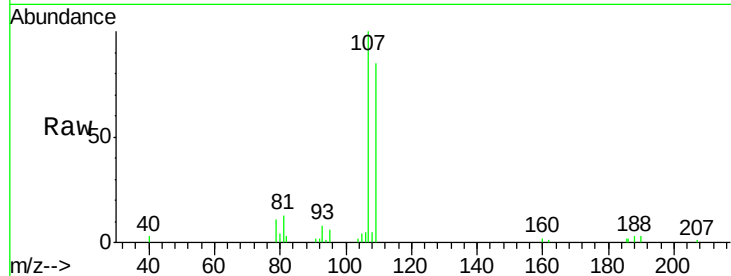
107 100

109 96.5 74.6 111.8

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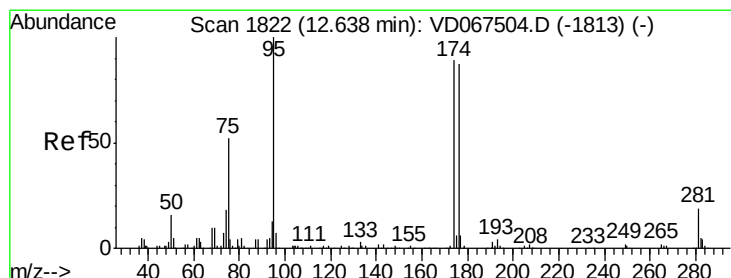
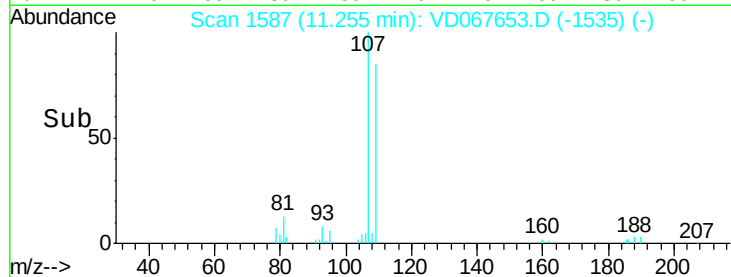
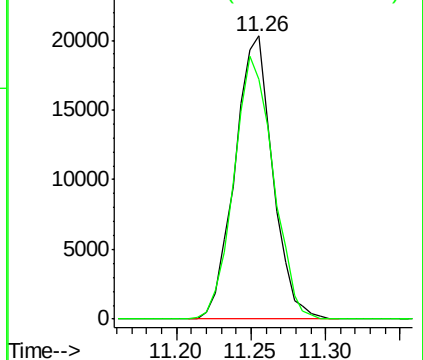
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.135 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

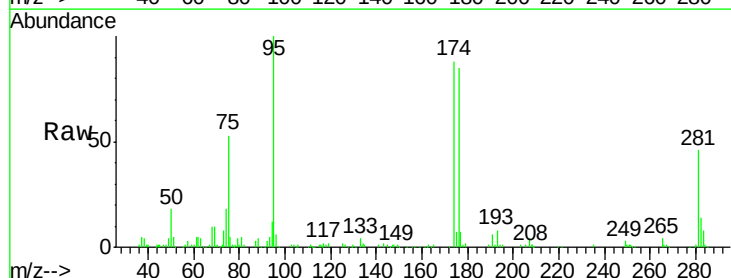
Tgt Ion: 95 Resp: 147997

Ion Ratio Lower Upper

95 100

174 88.5 0.0 177.8

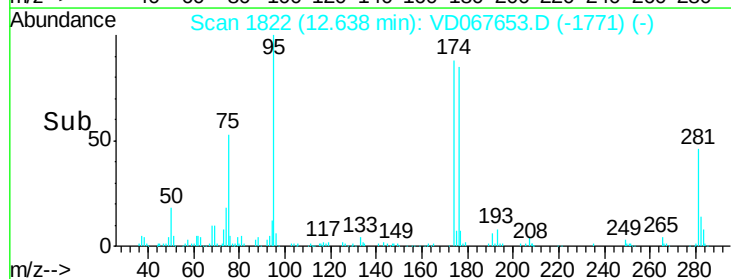
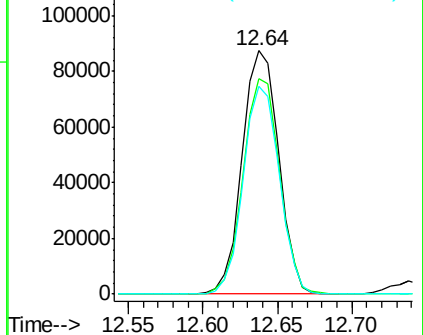
176 84.4 0.0 172.0

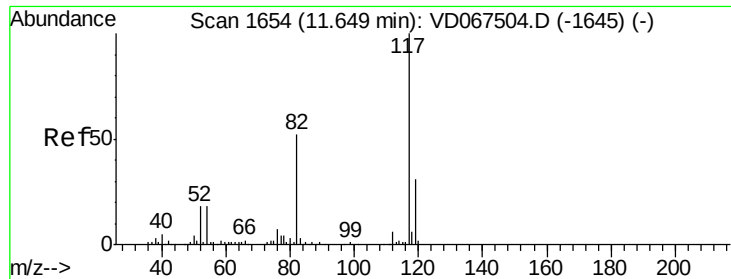


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





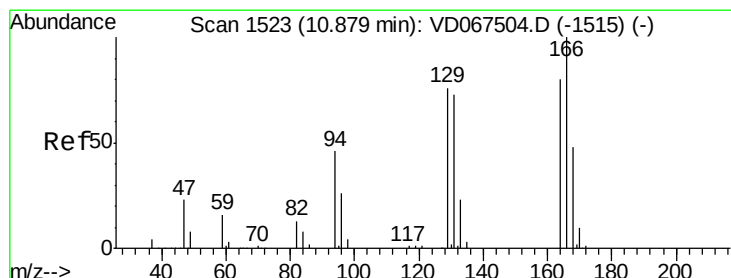
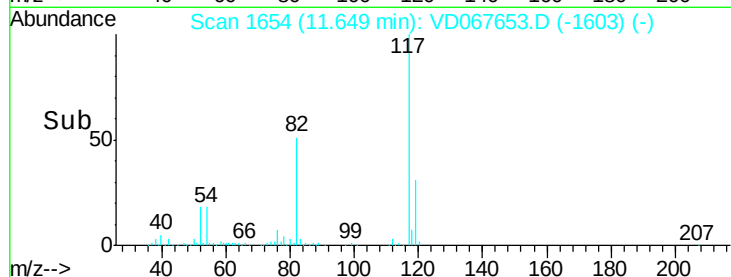
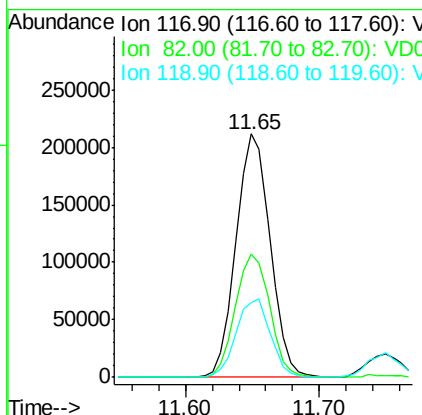
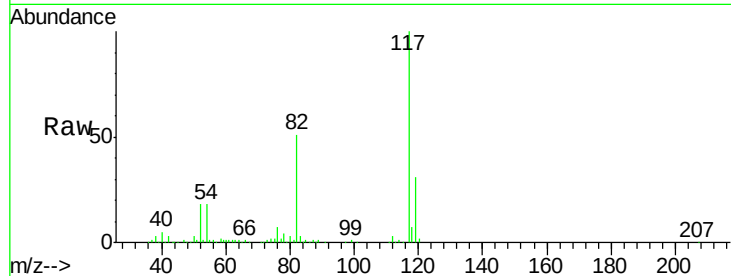
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	41.6	62.4
119	30.8	25.1	37.7

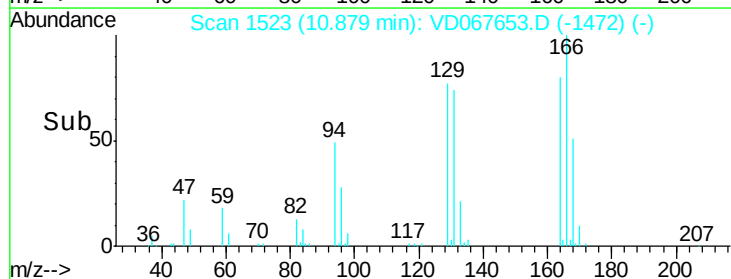
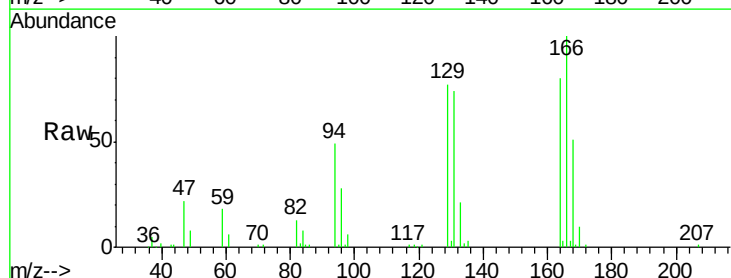
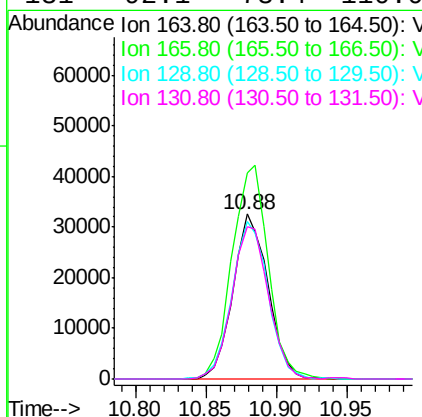
Manual Integrations
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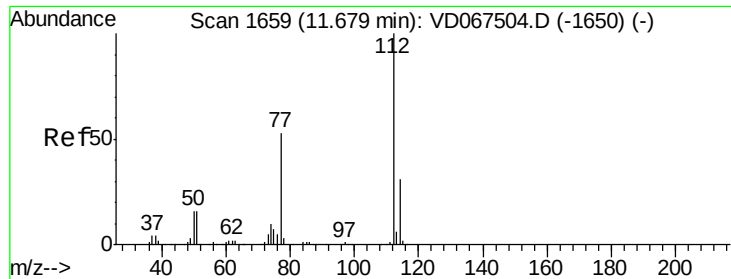
MMDadoda
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#64
Tetrachloroethene
Concen: 20.340 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	99.9	149.9
129	95.8	75.5	113.3
131	92.1	73.4	110.0





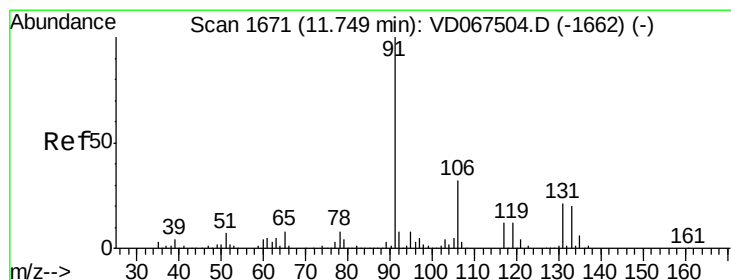
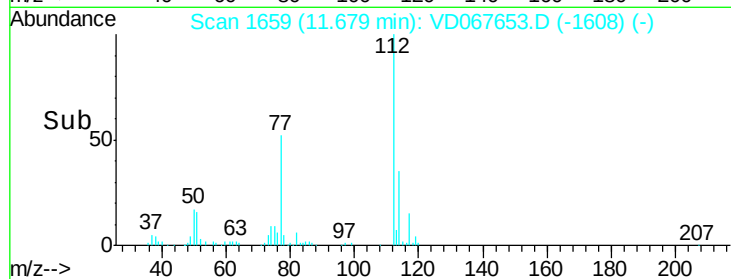
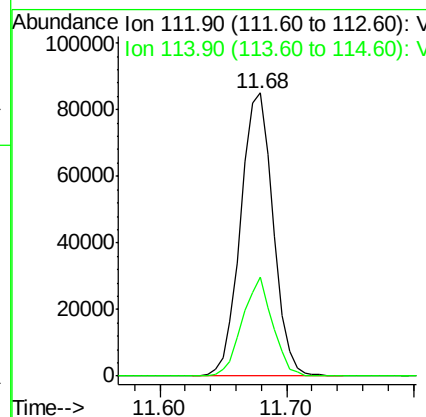
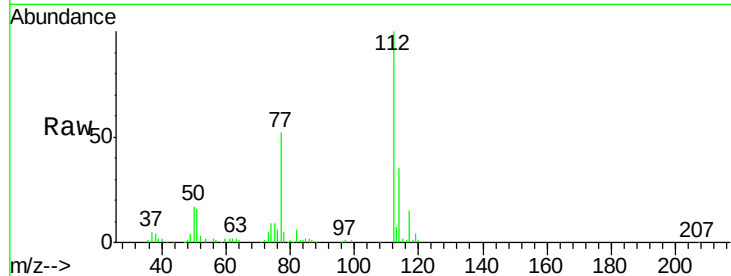
#65
Chlorobenzene
Concen: 20.925 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	35.2	24.9	37.3

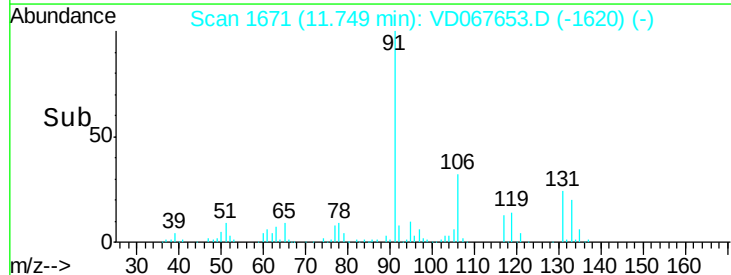
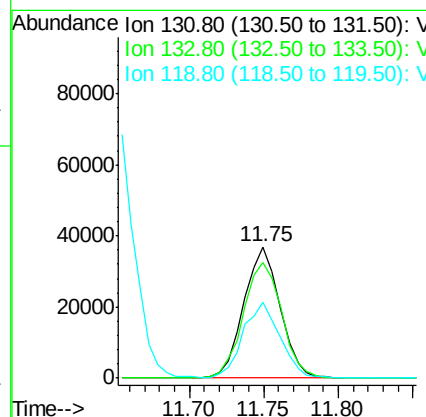
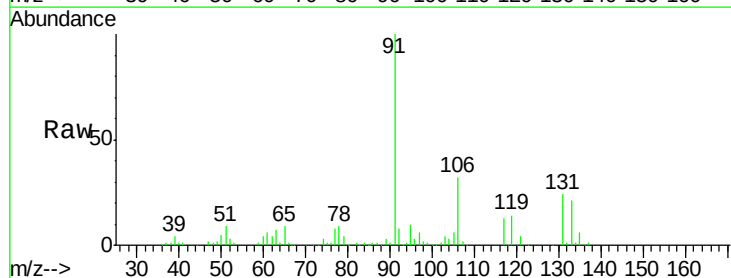
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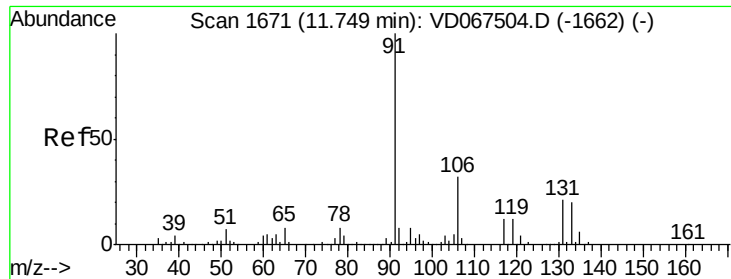
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11/18/2020 10:50:17 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.923 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.6	48.0	144.0
119	58.8	30.1	90.5





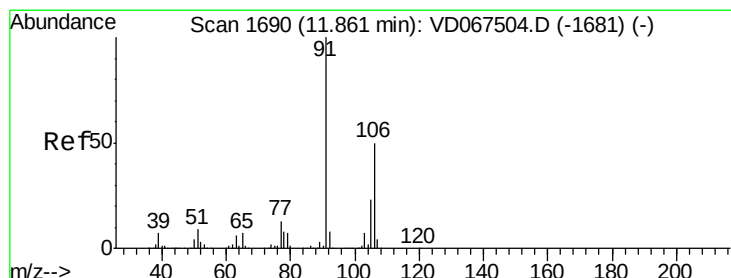
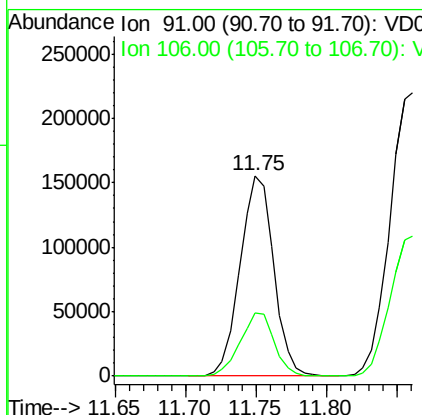
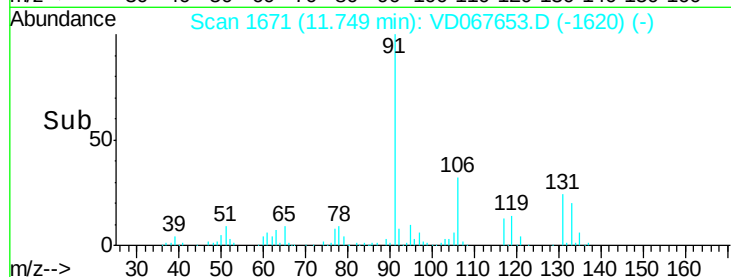
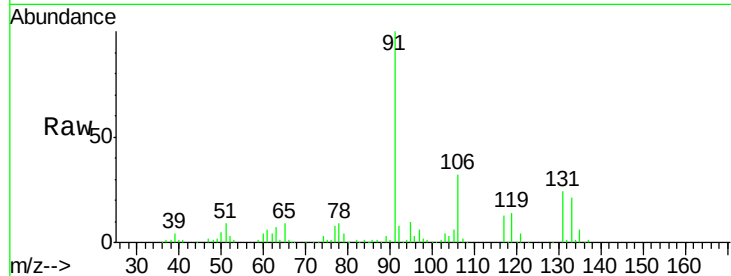
#67
Ethyl Benzene
Concen: 20.984 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion: 91 Resp: 259610
Ion Ratio Lower Upper
91 100
106 31.7 25.7 38.5

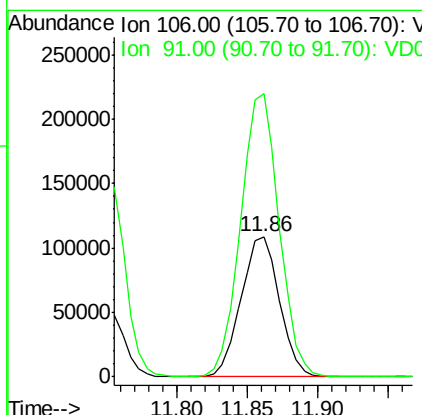
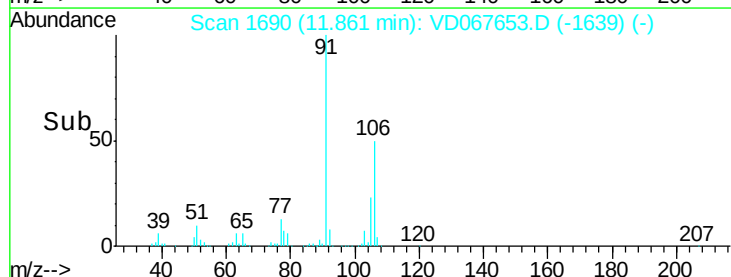
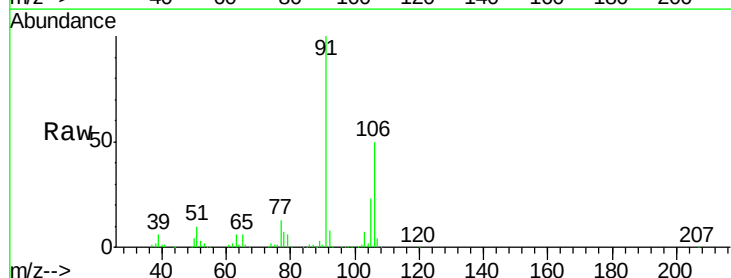
Manual Integrations
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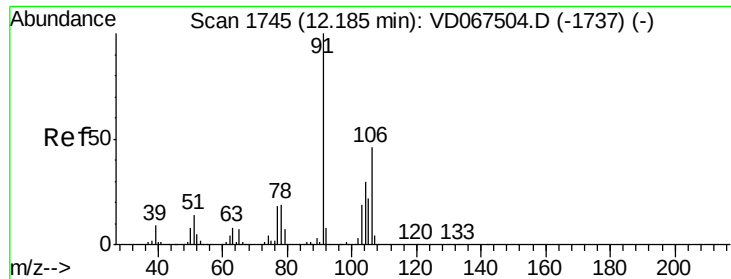
MMDadoda
11/18/2020 10:50:17 AM



#68
m/p-Xylenes
Concen: 43.194 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion: 106 Resp: 207905
Ion Ratio Lower Upper
106 100
91 201.5 162.6 244.0





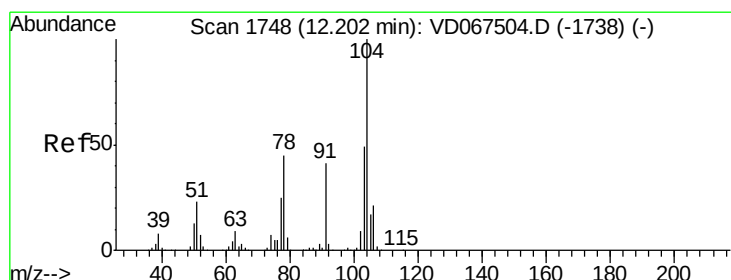
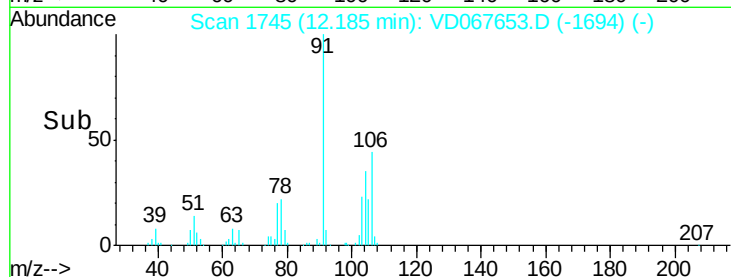
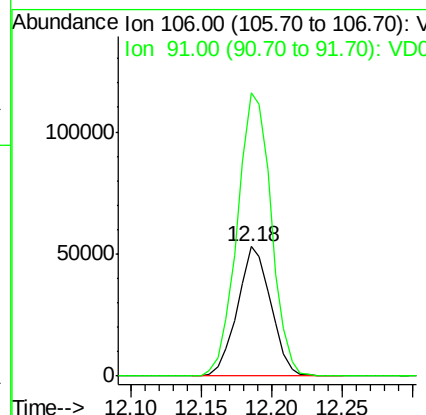
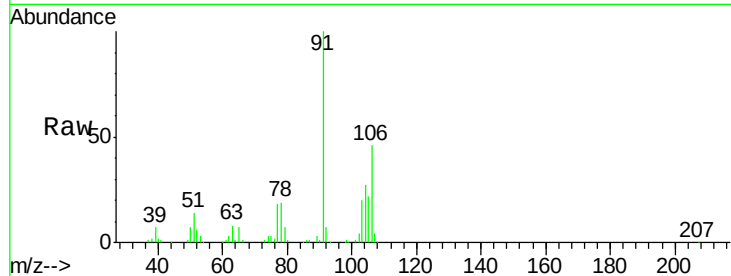
#69
o-Xylene
Concen: 20.426 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion:106 Resp: 87778
Ion Ratio Lower Upper
106 100
91 221.7 107.1 321.1

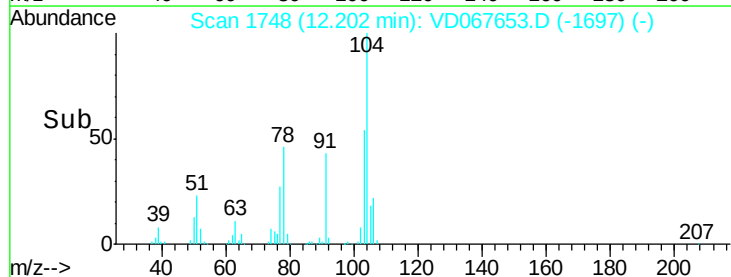
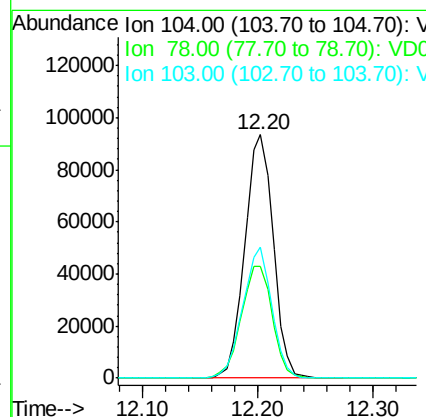
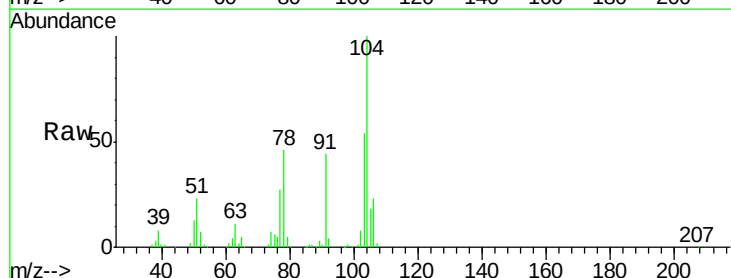
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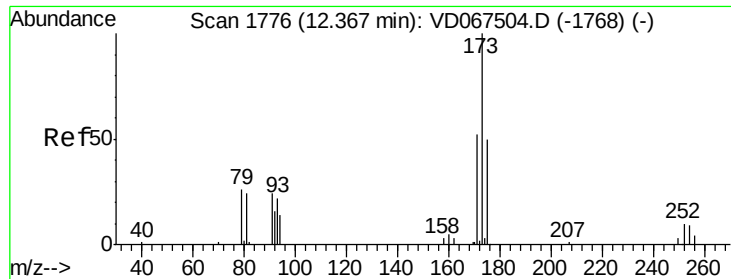
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#70
Styrene
Concen: 21.364 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion:104 Resp: 159977
Ion Ratio Lower Upper
104 100
78 50.3 39.8 59.8
103 54.5 43.9 65.9





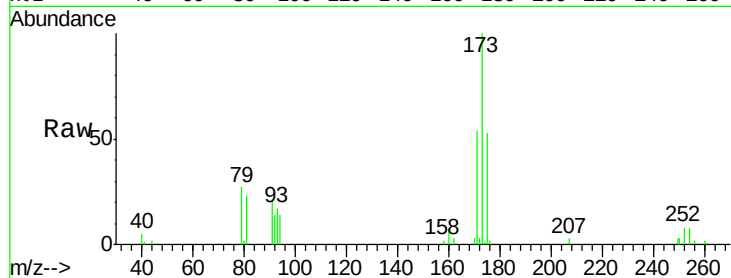
#71
Bromoform
Concen: 21.679 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

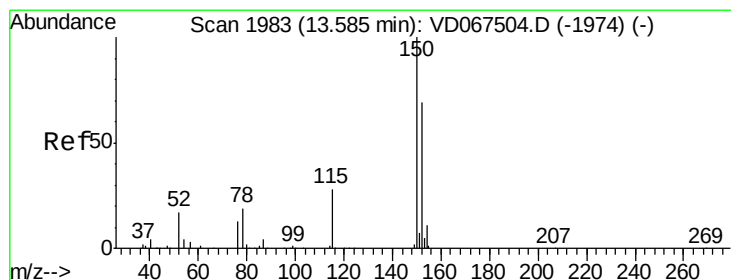
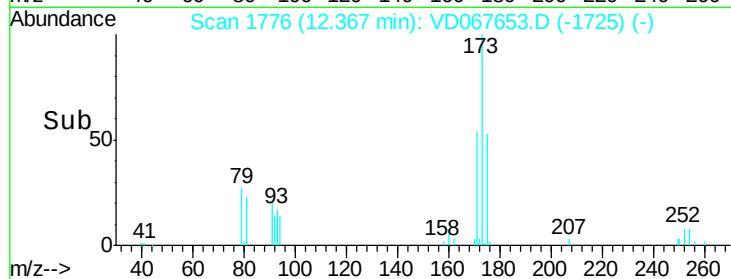
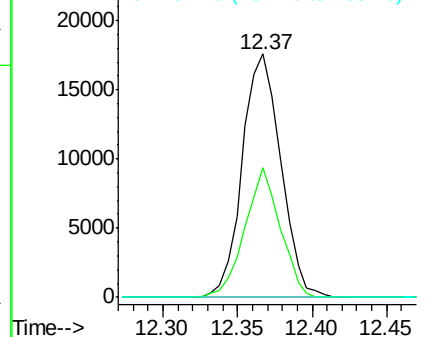
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.2
254	0.0	0.0	0.0

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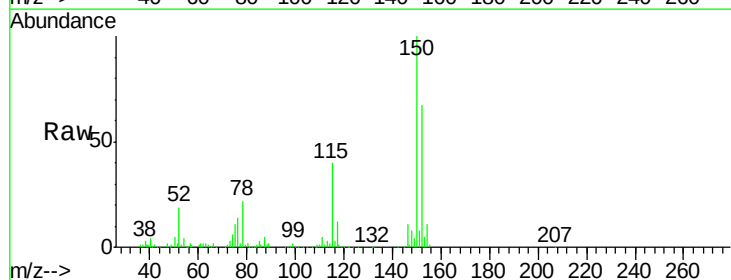


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

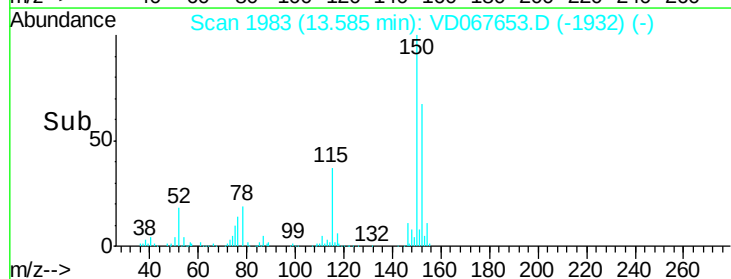
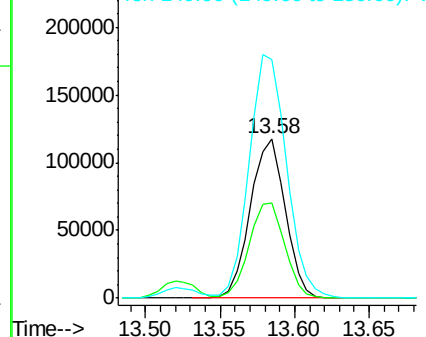


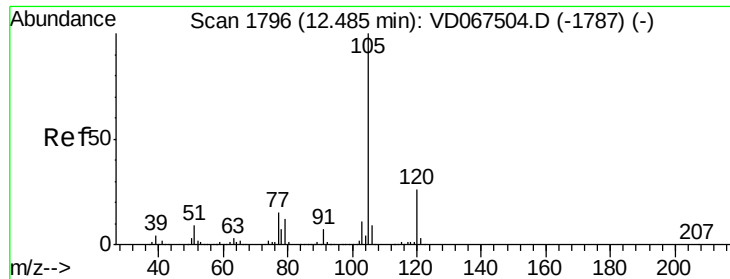
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	29.3	88.0
150	164.4	0.0	338.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





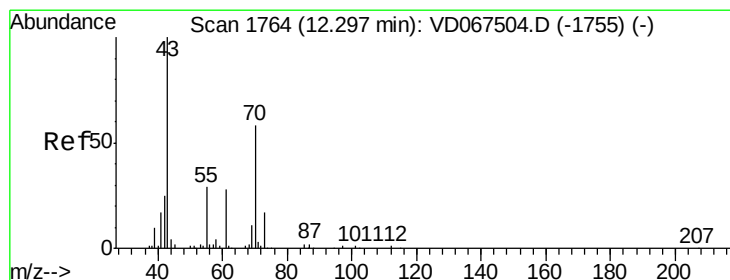
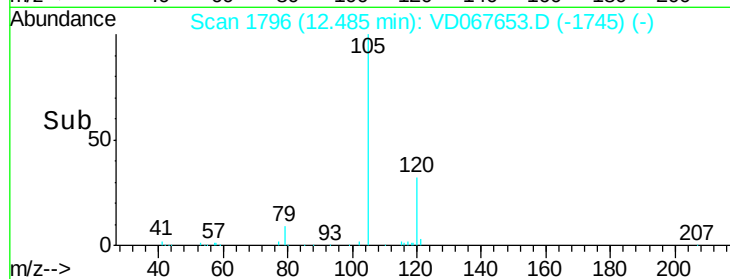
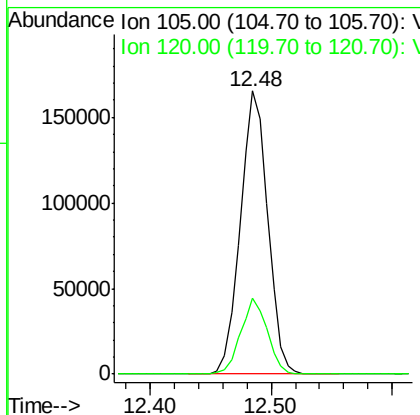
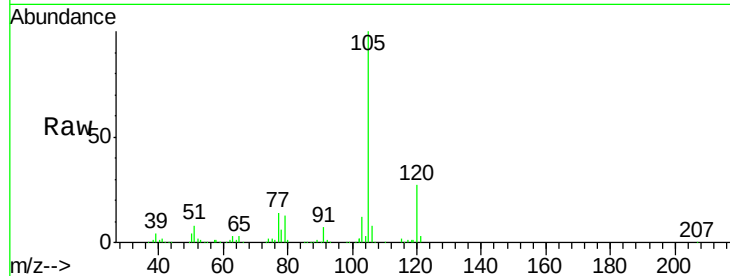
#73
Isopropylbenzene
Concen: 21.389 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	262116		
120	25.9	13.2	39.6	

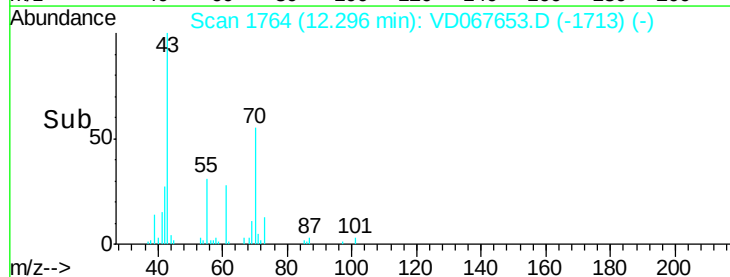
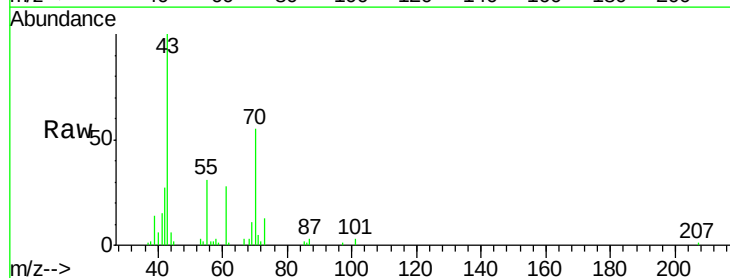
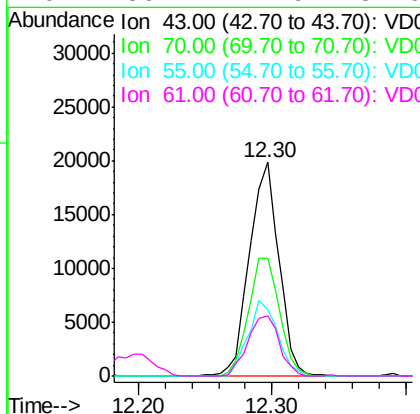
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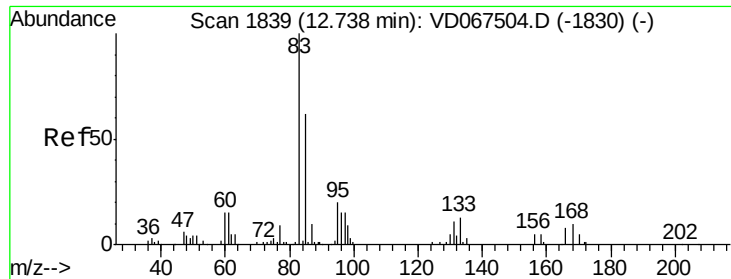
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#74
N-ethyl acetate
Concen: 18.722 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	30190		
70	57.8	42.6	64.0	
55	34.9	23.7	35.5	
61	30.2	21.9	32.9	





#75

1,1,2,2-Tetrachloroethane

Concen: 20.556 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

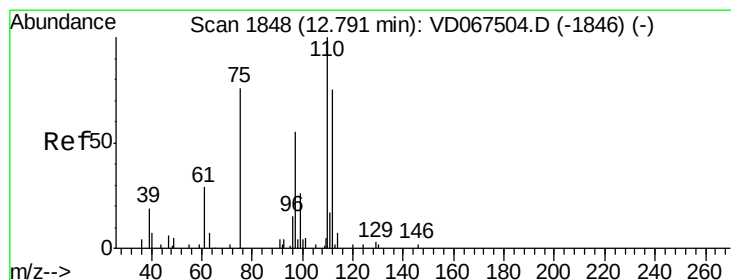
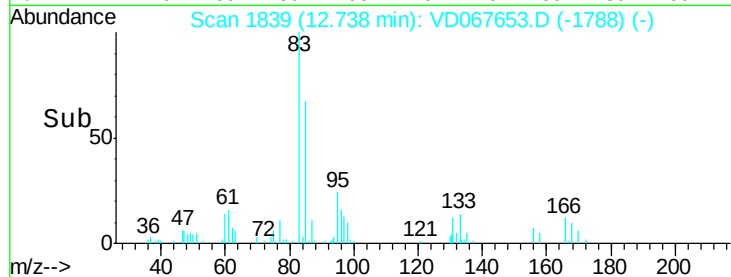
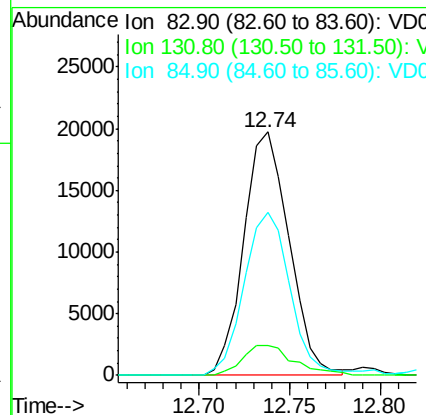
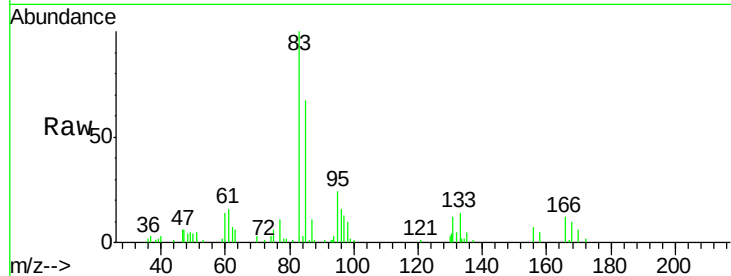
ClientSampleId :

VD1117SBS01

Tot Ion:	83	Resp:	34350
Ion Ratio	Lower	Upper	
83	100		
131	14.1	7.1	21.3
85	69.0	32.9	98.7

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#76

1,2,3-Trichloropropane

Concen: 20.743 ug/l m

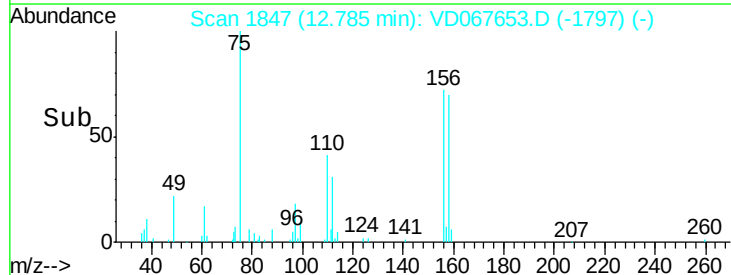
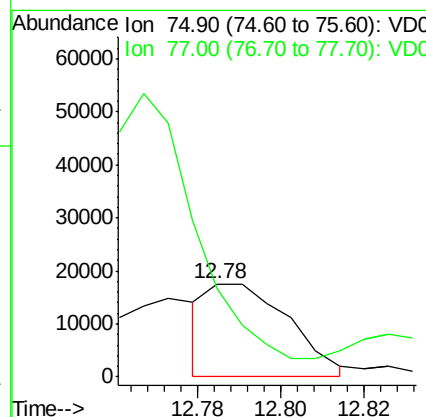
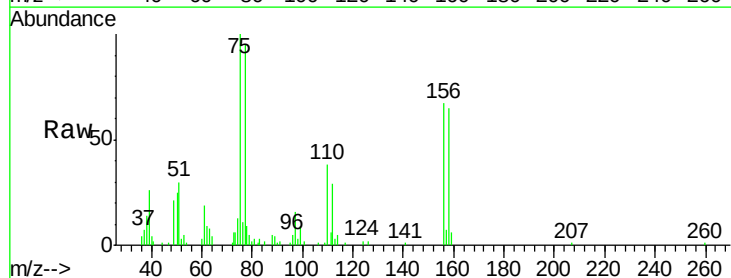
RT: 12.78 min Scan# 1847

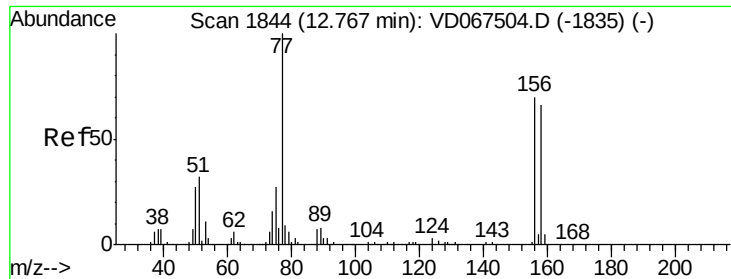
Delta R.T. -0.01 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Tgt Ion:	75	Resp:	23728
Ion Ratio	Lower	Upper	
75	100		
77	412.7	0.0	0.0#





#77

Bromobenzene

Concen: 22.073 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

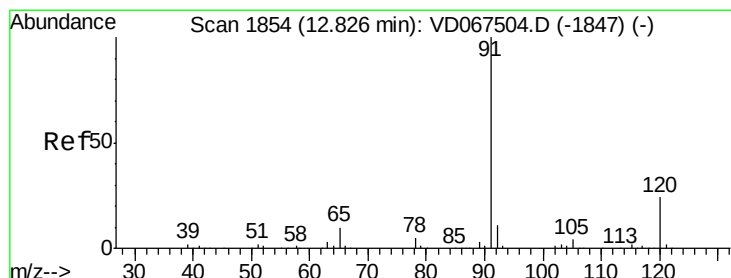
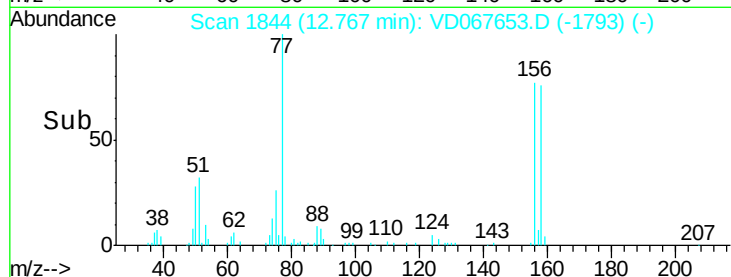
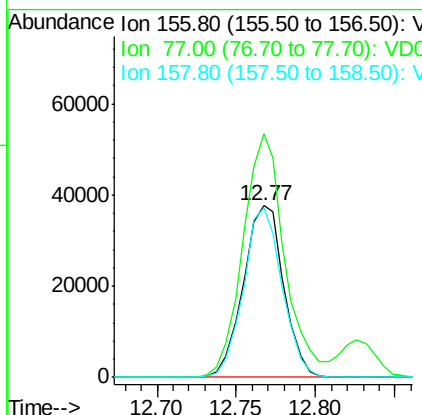
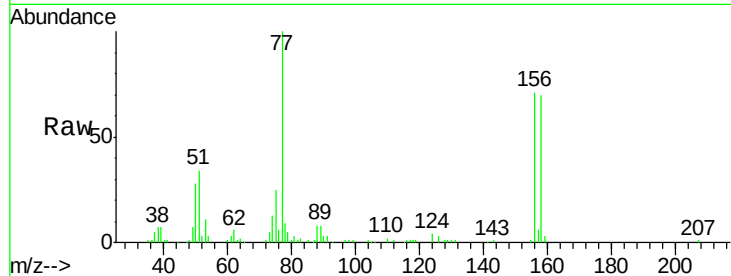
ClientSampleId :

VD1117SBS01

Tot Ion:156 Resp: 66431
 Ion Ratio Lower Upper
 156 100
 77 147.4 77.8 233.5
 158 94.7 47.9 143.7

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#78

n-propylbenzene

Concen: 21.531 ug/l

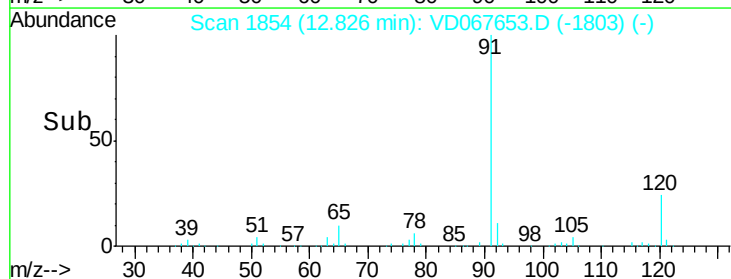
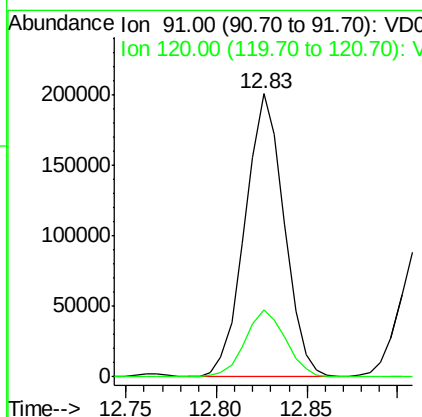
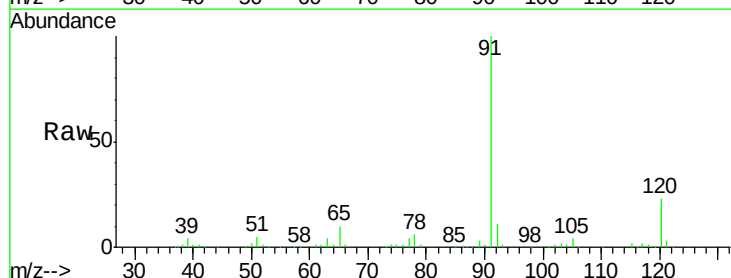
RT: 12.83 min Scan# 1854

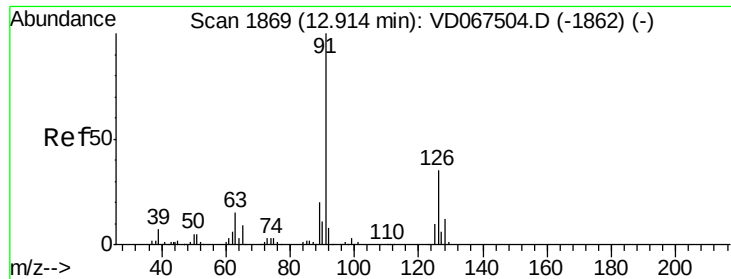
Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Tgt Ion: 91 Resp: 301798
 Ion Ratio Lower Upper
 91 100
 120 24.2 12.2 36.4





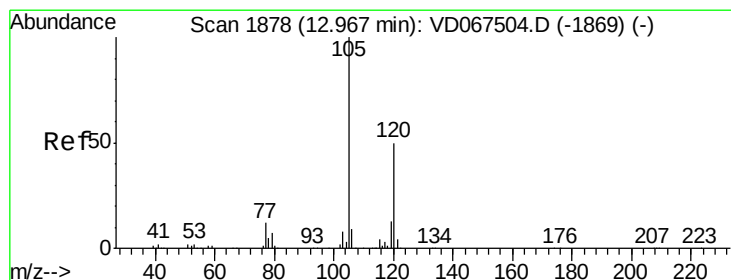
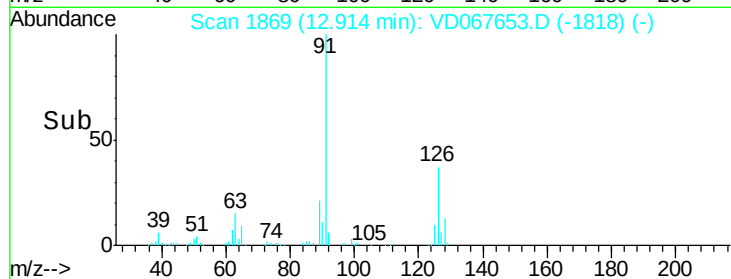
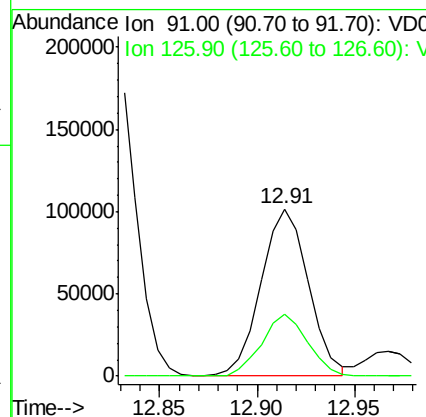
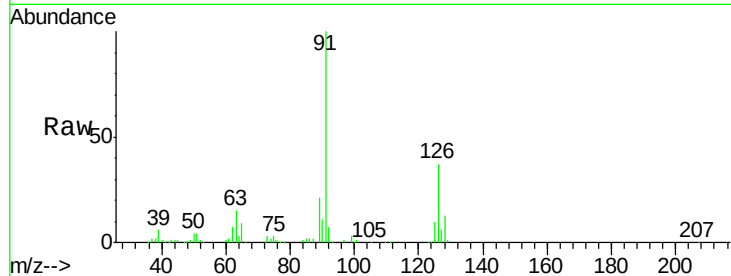
#79
2-Chlorotoluene
Concen: 21.392 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion: 91 Resp: 170333
Ion Ratio Lower Upper
91 100
126 35.9 17.8 53.4

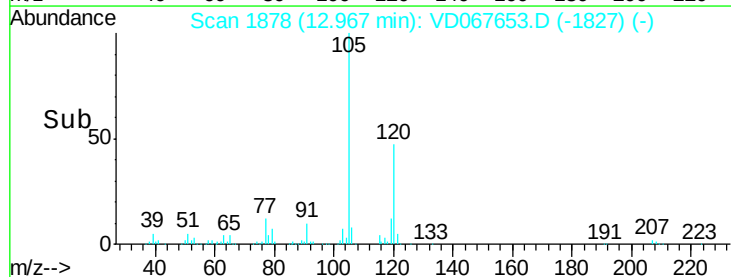
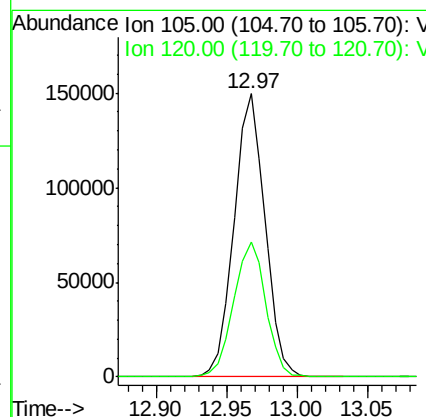
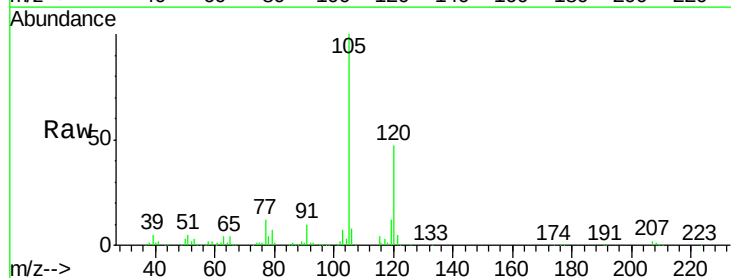
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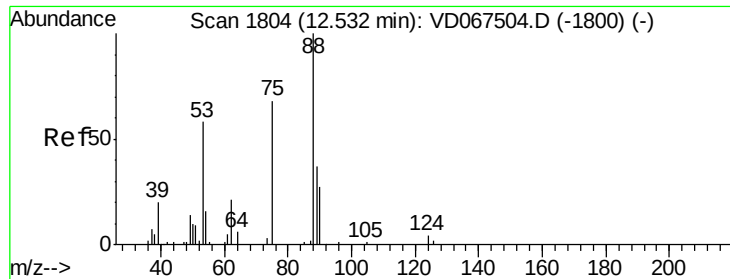
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 21.869 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion: 105 Resp: 228941
Ion Ratio Lower Upper
105 100
120 49.4 24.3 72.8





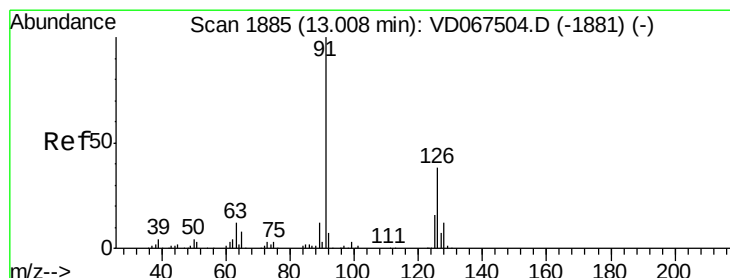
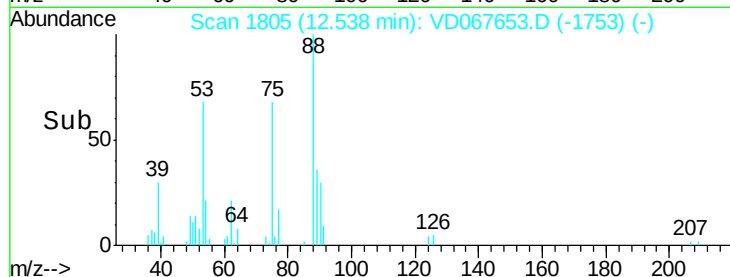
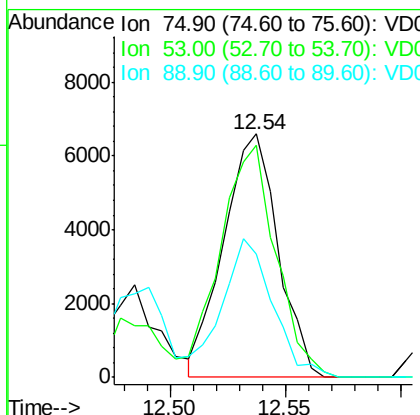
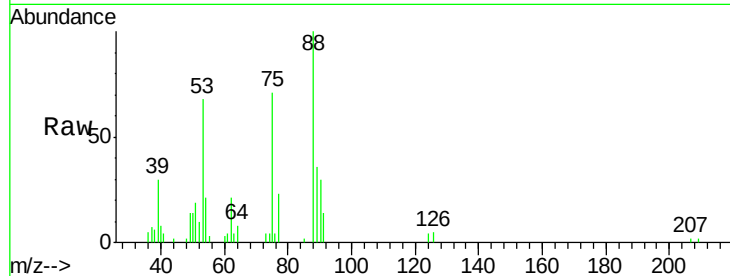
#81
trans-1,4-Dichloro-2-butene
Concen: 19.188 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.4	75.9	113.9
89	52.9	44.6	67.0

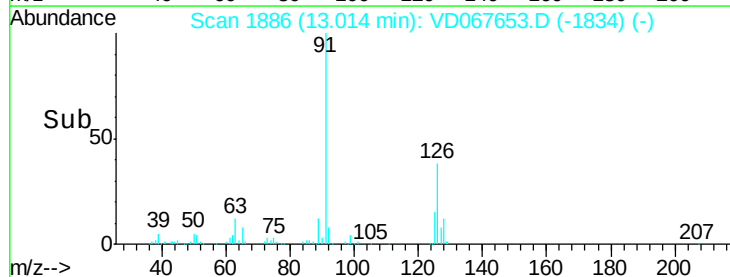
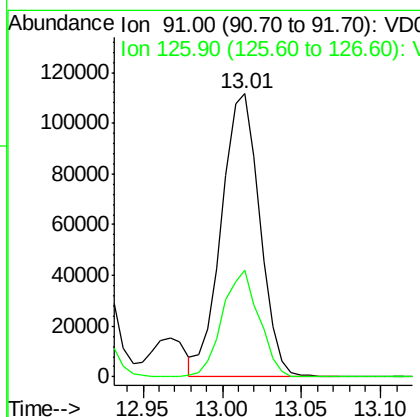
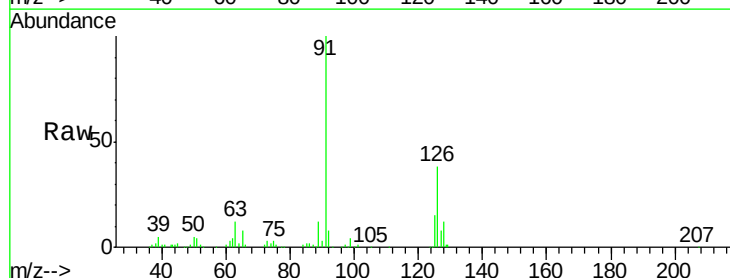
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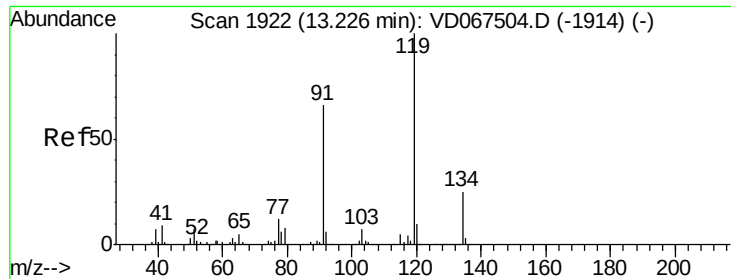
MMDadoda
11/18/2020 10:50:17 AM



#82
4-Chlorotoluene
Concen: 21.950 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.9	53.7





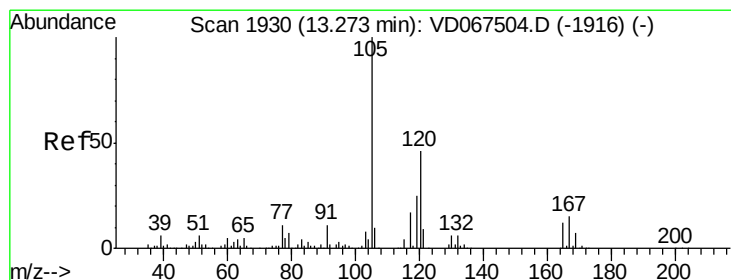
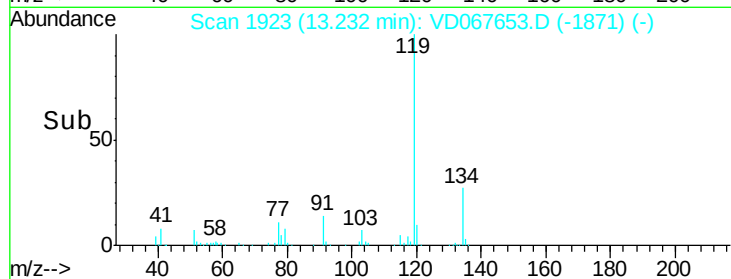
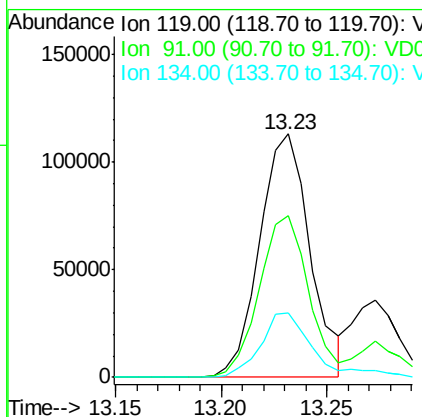
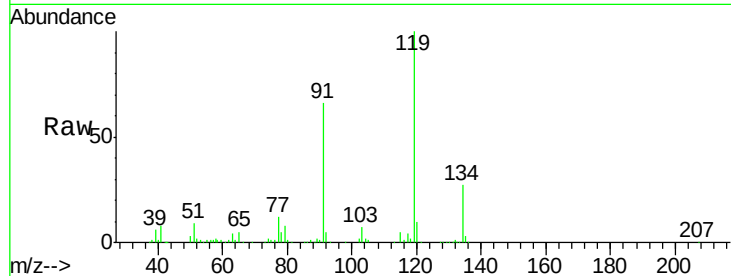
#83
 tert-Butylbenzene
 Concen: 21.182 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	187931		
91	64.9	32.7	98.1	
134	28.1	13.4	40.2	

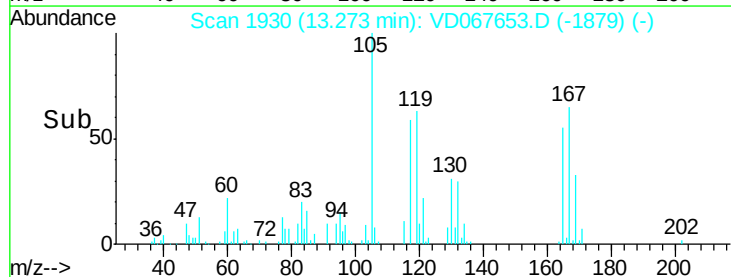
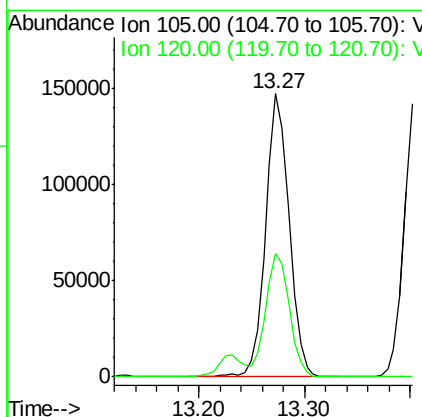
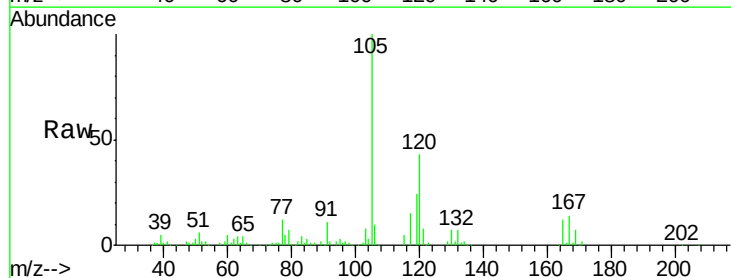
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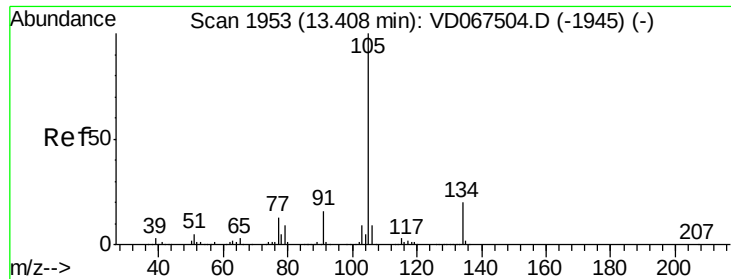
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.761 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	226756		
120	43.6	22.1	66.1	





#85

sec-Butylbenzene

Concen: 21.601 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VD1117SBS01

Tot Ion:105 Resp: 258716

Ion Ratio Lower Upper

105 100

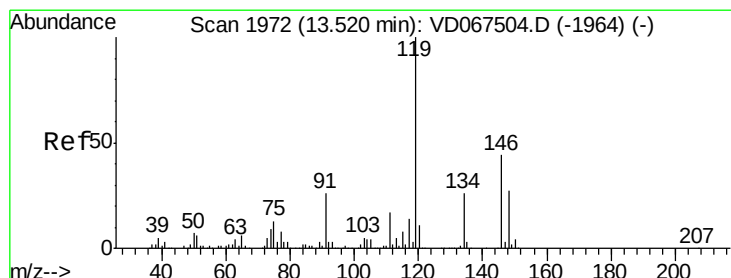
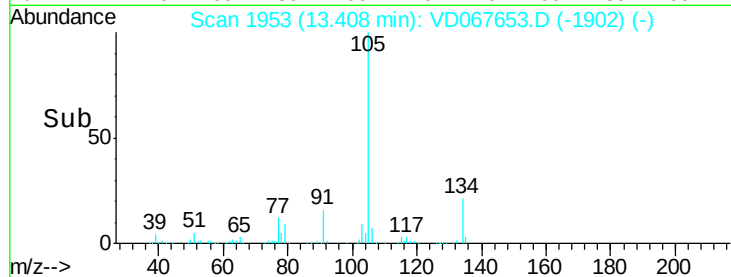
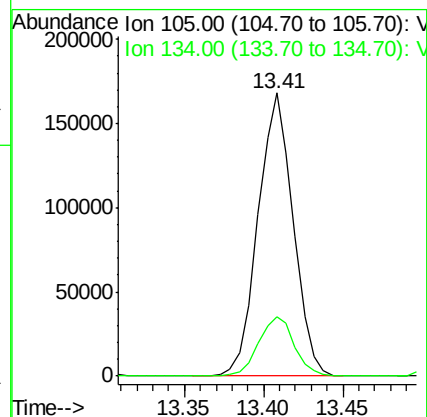
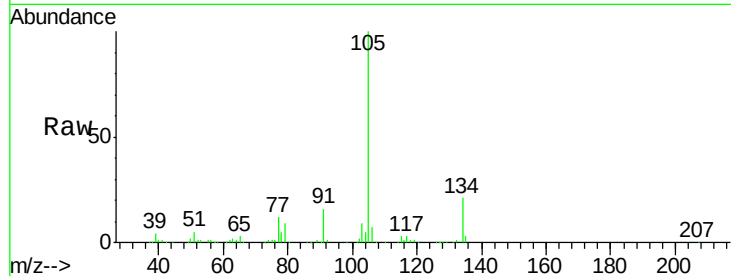
134 21.5 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 21.311 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067653.D

Acq: 17 Nov 2020 11:00

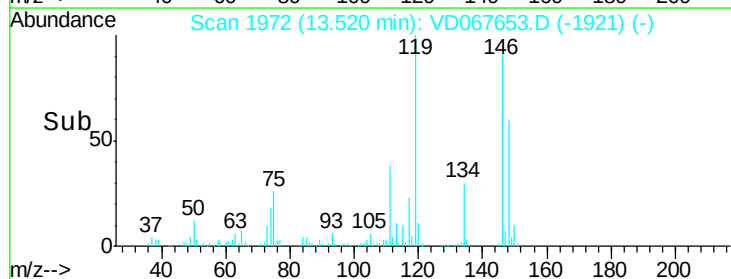
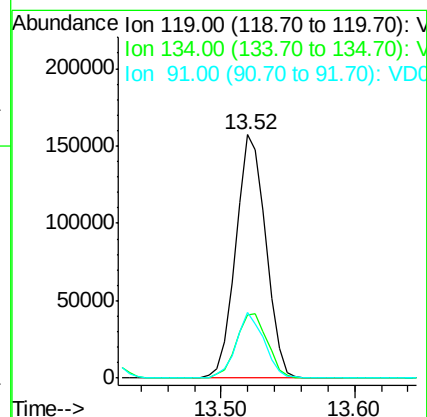
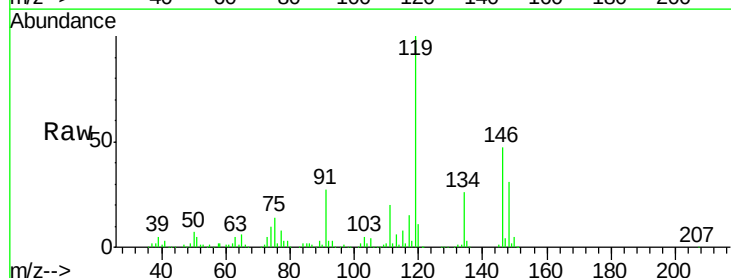
Tgt Ion:119 Resp: 246477

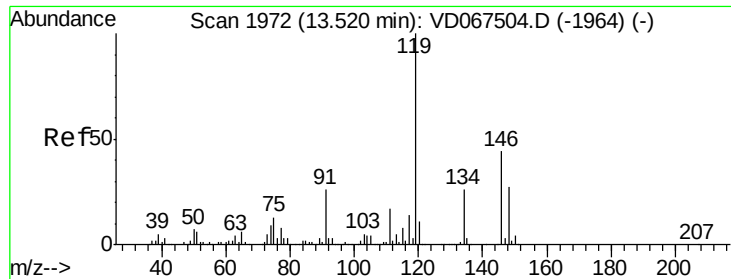
Ion Ratio Lower Upper

119 100

134 27.3 13.1 39.3

91 25.5 12.2 36.4





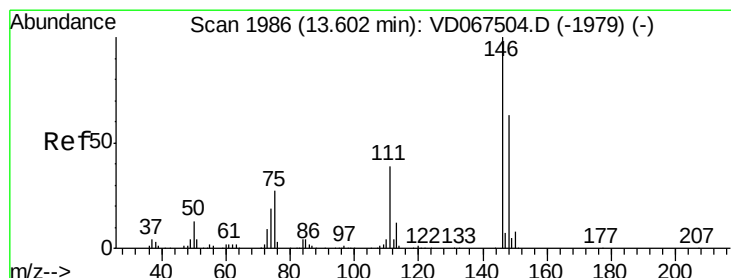
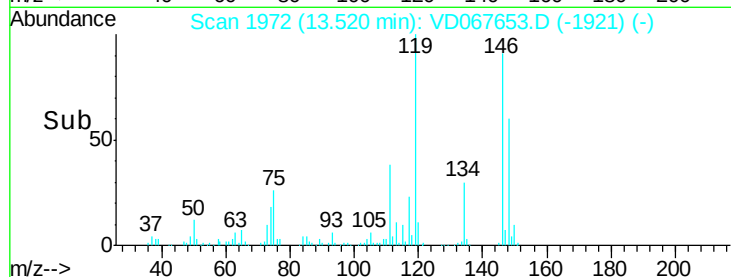
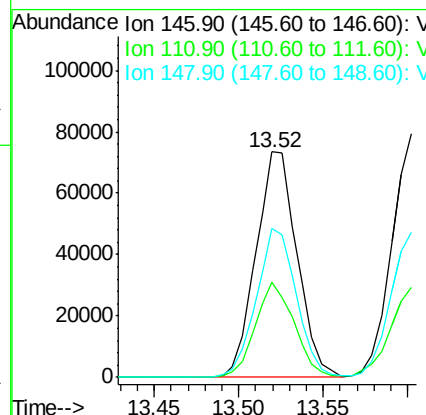
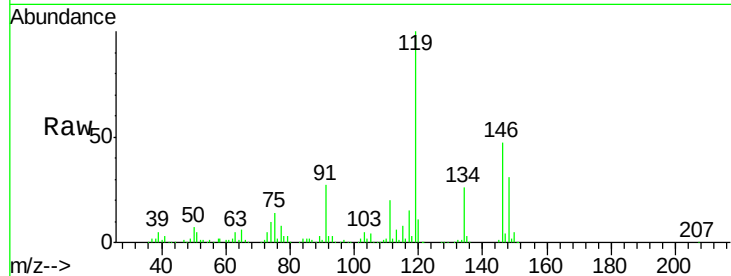
#87
 1,3-Dichlorobenzene
 Concen: 21.644 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	124298		
111	39.9	20.3	60.8	
148	64.1	31.9	95.9	

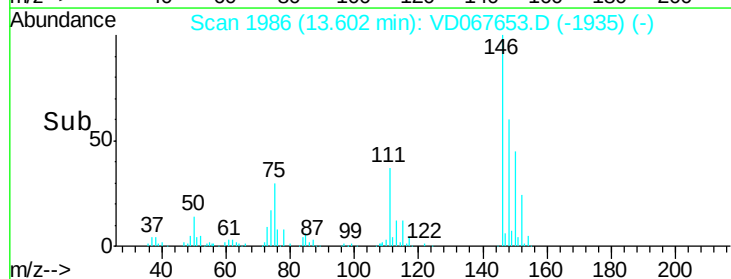
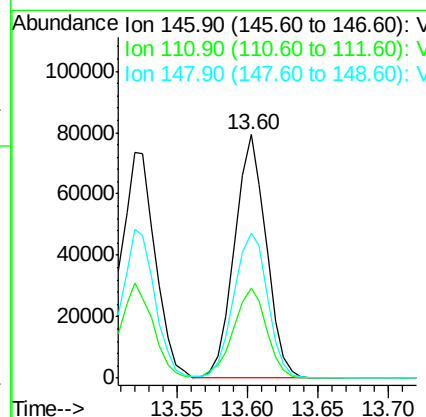
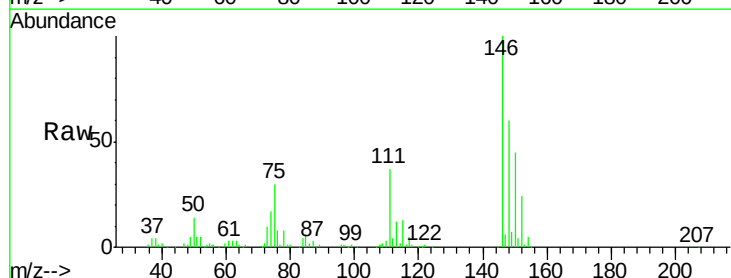
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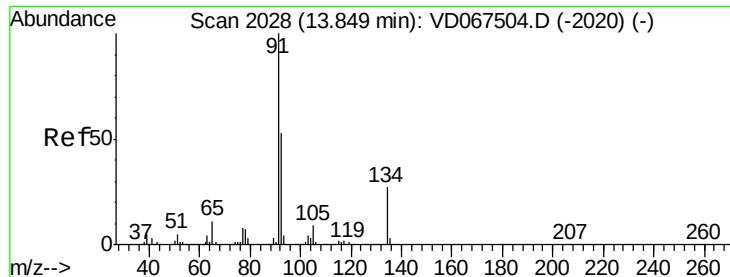
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#88
 1,4-Dichlorobenzene
 Concen: 21.334 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	124058		
111	38.8	19.6	58.7	
148	63.9	31.8	95.4	





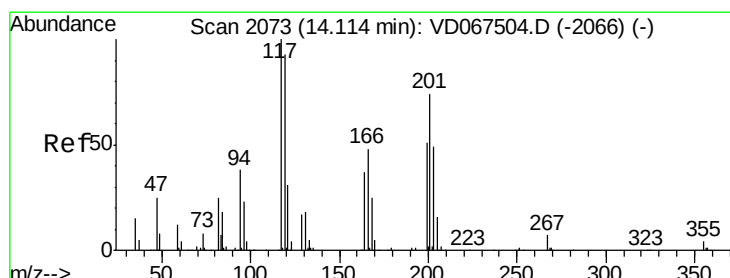
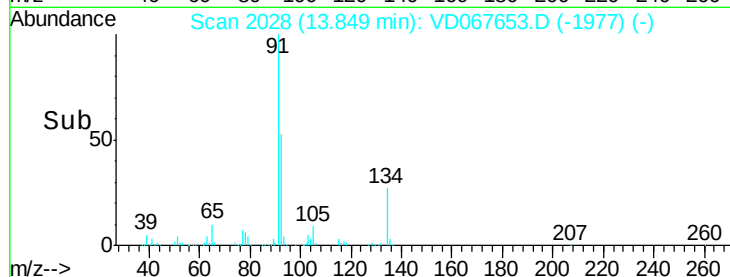
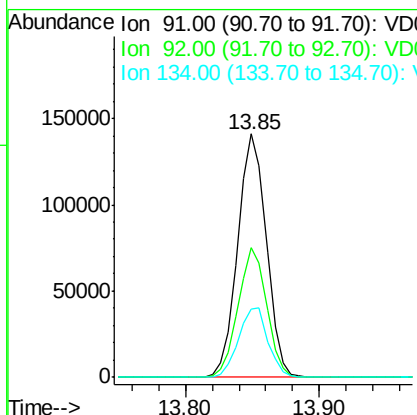
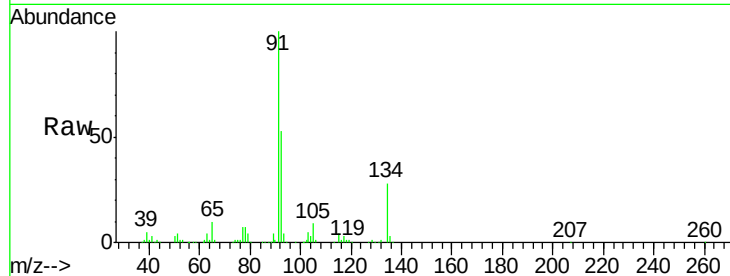
#89
n-Butylbenzene
Concen: 21.020 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.8
134	29.3	14.1	42.2

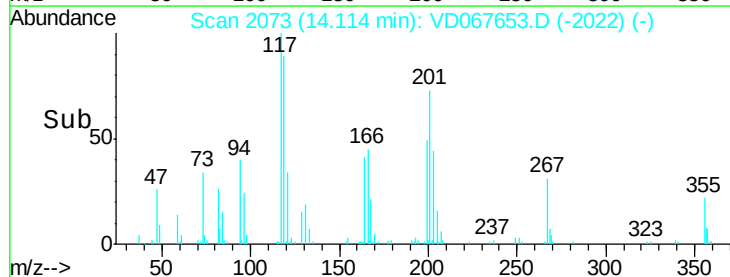
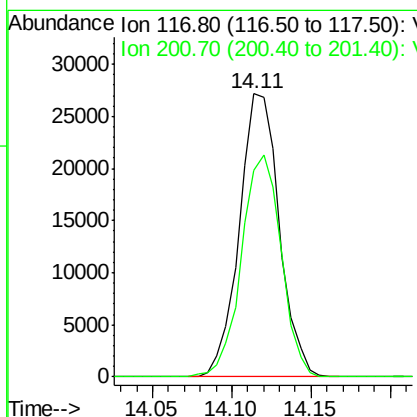
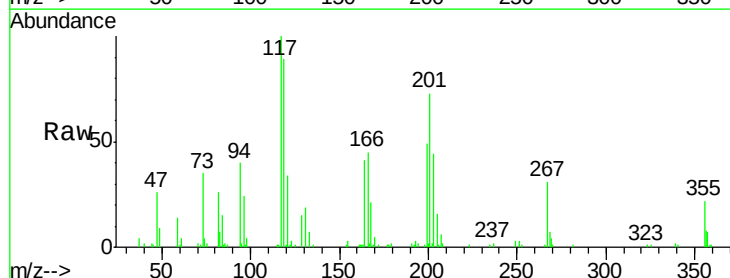
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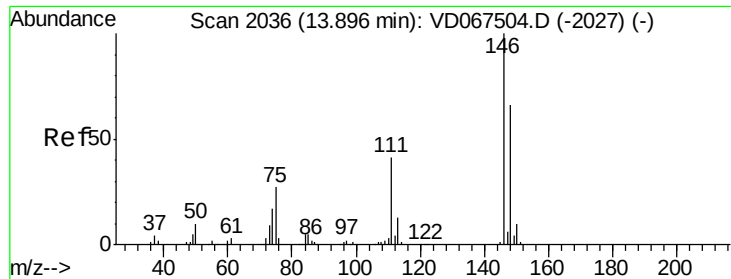
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#90
Hexachloroethane
Concen: 21.837 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.7	40.7	122.1





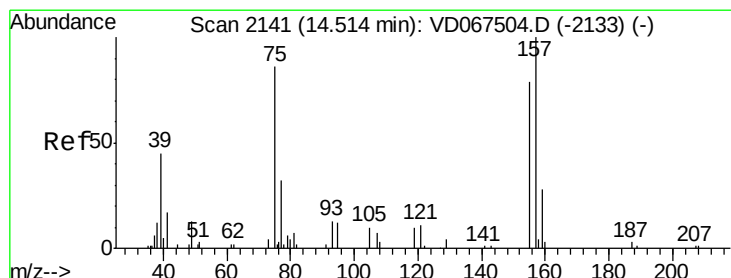
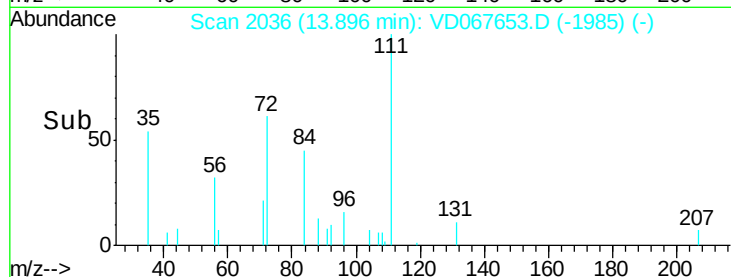
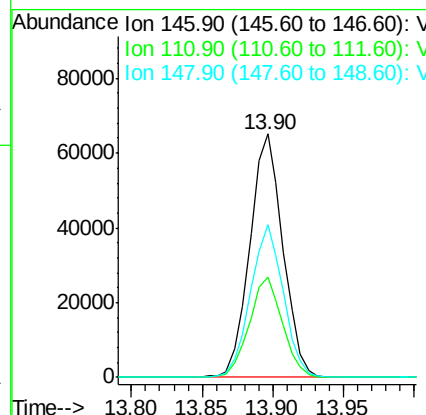
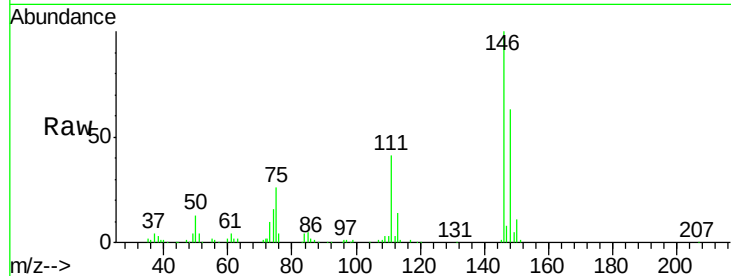
#91
 1,2-Dichlorobenzene
 Concen: 21.504 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	62.1	31.5	94.5

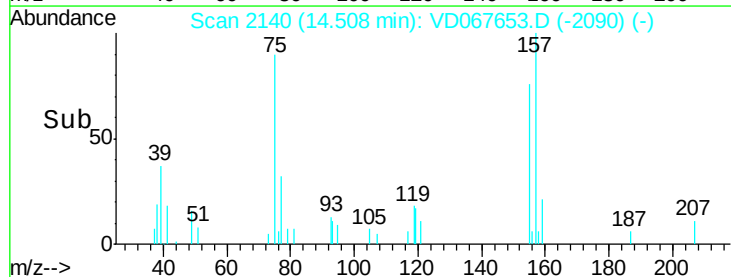
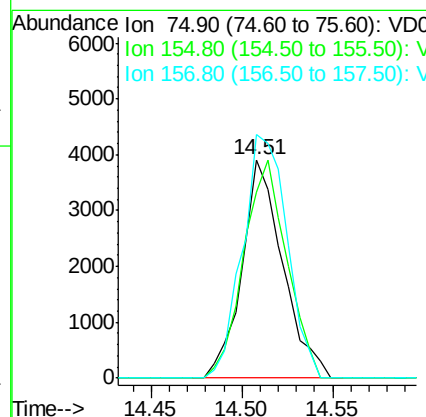
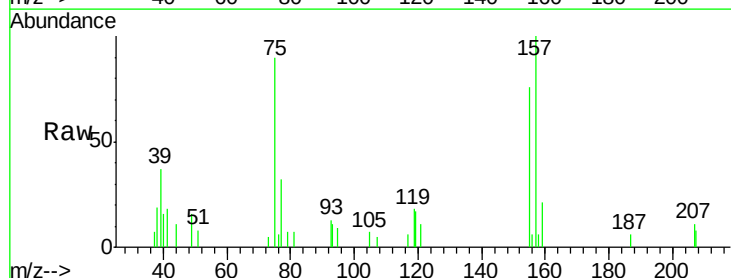
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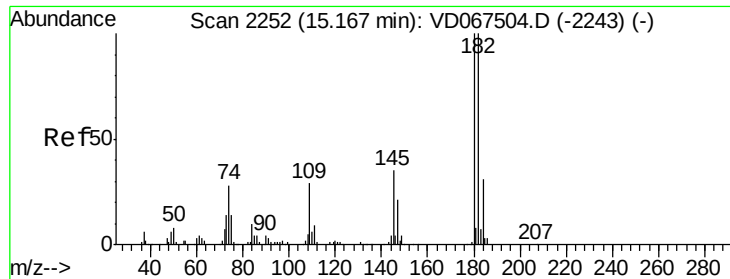
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.739 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.0	46.6	139.8
157	121.2	58.1	174.2





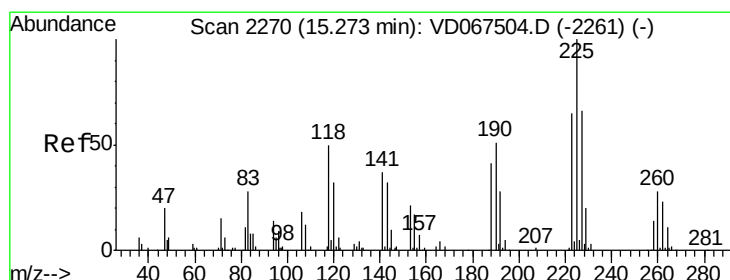
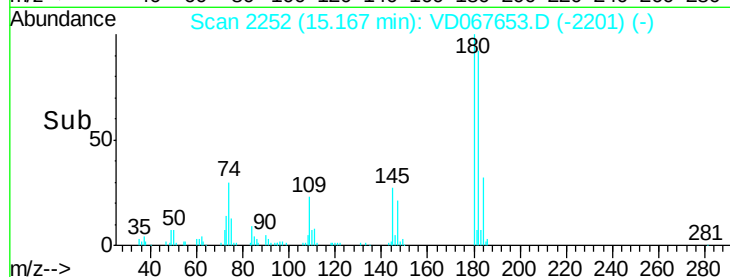
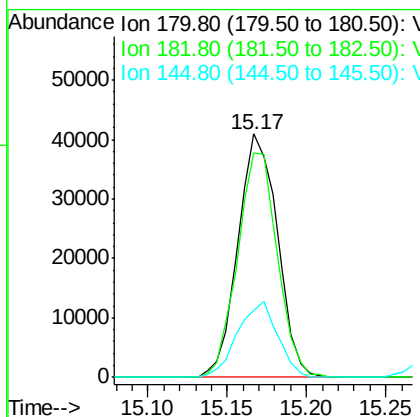
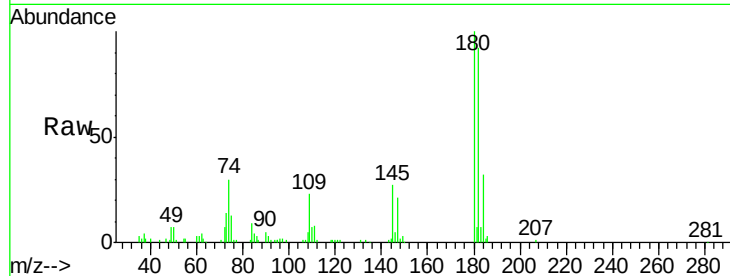
#93
 1,2,4-Trichlorobenzene
 Concen: 21.028 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	70935		
182	92.9		47.4	142.3
145	31.4		16.2	48.6

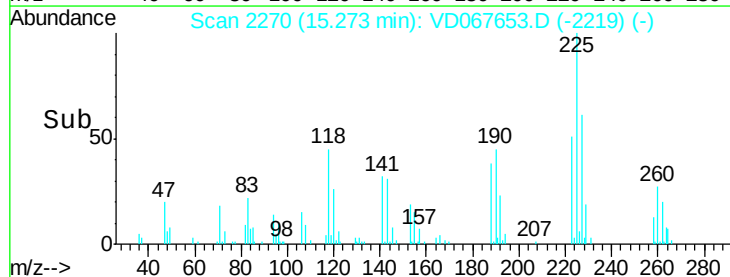
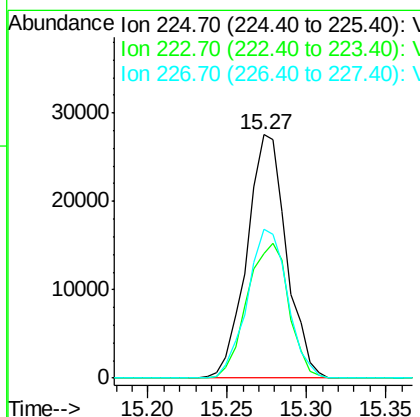
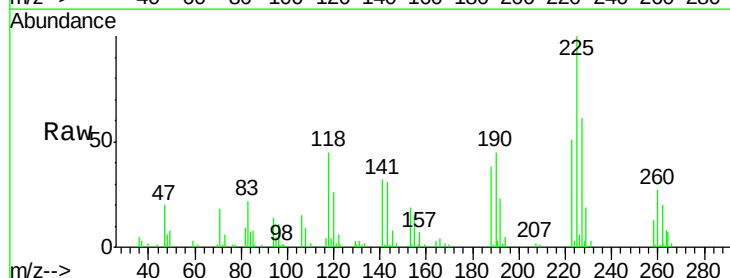
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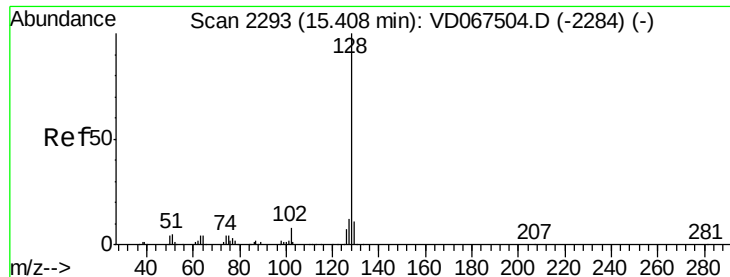
MMDadoda
 11/18/2020 10:50:17 AM



#94
 Hexachlorobutadiene
 Concen: 21.133 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067653.D
 Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	47712		
223	58.5		31.9	95.5
227	62.3		32.5	97.4





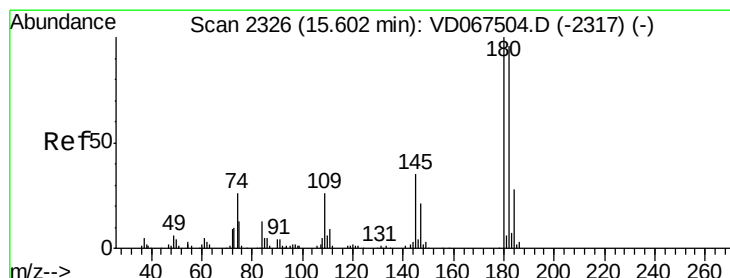
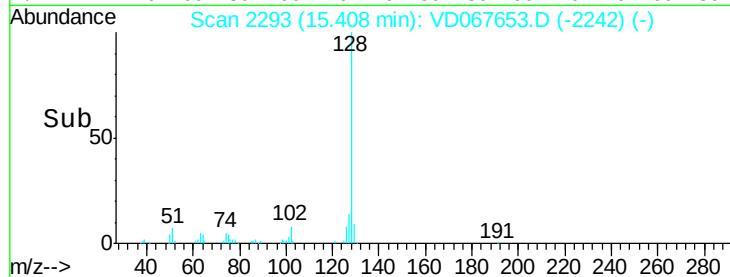
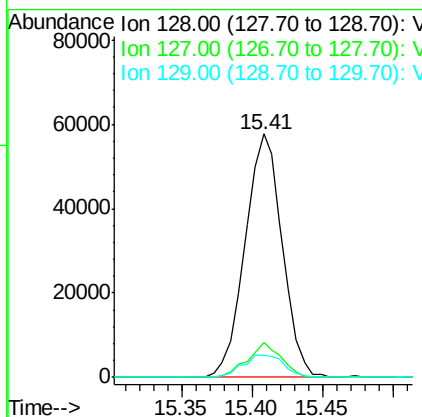
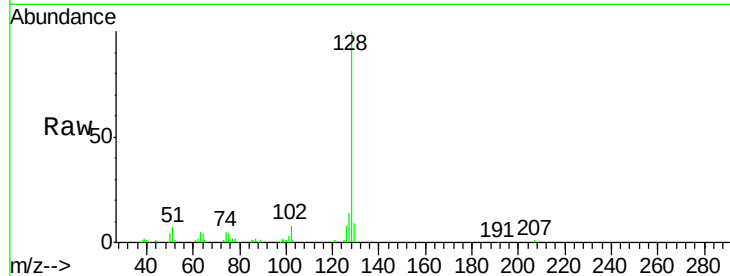
#95
Naphthalene
Concen: 20.386 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VD1117SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.2	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/18/2020 10:50:17 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.172 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD067653.D
Acq: 17 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	46.9	140.8
145	33.3	17.1	51.2

